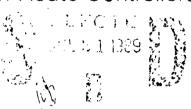
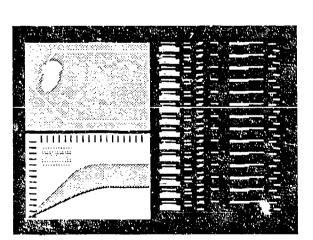


## FAA AIR TRAFFIC CONTROL **OPERATIONS CONCEPTS**

Volume II: ACF/ACCC Terminal and En Route Controllers



6 July 1987



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DOT/FAA/AP-97-01

U.S. Department of Transportation Federal Aviation Administration



#### ERRATA

Task A1.4.2.12 in this volume should read as follows:

RECEIVE SUPERVISOR NOTICE TO CONDUCT COMMUNICATIONS SEARCH FOR OVERDUE/ NORDO AIRCRAFT

This task statement is erroneously stated on pages:

A-87

B-14

D-16, 34, 42

E-53

F-5Ø

DOT/FAA/AP-87-01  The ard Santhe FAA Air Traffic Control Operations Concepts Volume II: ACF/ACCC Terminal and En Route Controllers (CHG 1)  Admir(s) J.R. Alexander, V.L. Alley, H.L. Ammerman, C.M. Hostetler, and G.W. Jones  Computer Technology Associates, Inc. 7150 Campus Drive, Scute 100 Colorado Springs, CO 80920  2 Spensoring Agency Name and Address  Charge pages to original edition dated 6 July 1987  Charge pages to original edition dated 6 July 1987  This submission updates Volume II to the latest Acquisition Phase specification for (ACCC, and includes corrections and improvements as necessary.  This volume is one of a series of operations concepts for the FAA's Advanced Automation System (AAS). It describes tow terminal and en route controllers in the Area Control Facilities may perform their operational jobs in the full ACCC environment with AERA I capabilities. ACCC functionality is assumed to be as described in the AAS System Level Specification. 28 August 1987  Level Specification, 28 August 1987  Level Specification, 28 August 1987  Level Specification of external Air Traffic Events: a series of analyses of these tasks, including Task Information Requirements, Cognitive/Sensory Autributes, and Performance Criteria; a User Interface Language aggregating system input and output measures agges in a hierarchical or gazination decomposition of tasks to their constituent procedural elements; traceability between tasks and supporting ACCC functionality; and sample operational scenarios for each position.  Data presented here are generated and maintained using the Computer-Human Operational Requirements Analysis System (CHORAS). CHORAS includes an automated task data base, specialized graphing capabilities, and display and hard copy output features tailored to the needs of operations concept analysis.  J. A.				
FAA Air Traffic Control Operations Concepts Volume II: ACF/ACCC Terminal and En Route Controllers (CHG 1)  Author(8)  J.R. Alexander, V.L. Alley, H.L. Ammerman, C.M. Hostetler, and G.W. Jones  Patterney Organization Name and Address Computer Technology Associates, Inc. 7150 Campus Drive, Suite 100 Colorado Springs, CO 80920  2. Specially Agency Name and Address Computer Technology Associates, Inc. 7150 Campus Drive, Suite 100 Colorado Springs, CO 80920  2. Specially Agency Name and Address Computer Technology Associates, Inc. 7150 Campus Inc. 7	1. Report No. DOT/FAA/AP-87-01	2. Government Accession No.	3. Recipient's Catalog No.	
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# FAA AIR TRAFFIC CONTROL OPERATIONS CONCEPTS VOLUME II: ACF/ACCC TERMINAL AND EN ROUTE CONTROLLERS

CDRL B112, VOL. II

CONTRACT DTF-A01-85-Y-01034

Prepared For:

FAA/AAP 100
Federal Aviation Administration
DOT, 800 Independence Avenue, S.W.
Washington, DC 20591

6 July 1987

CHANGE 1, 29 July 1988

Prepared By:

COMPUTER TECHNOLOGY ASSOCIATES, INC. 7150 Campus Drive, Suite 100 Colorado Springs, CO 80920 (719) 590-5100

# FAA AIR TRAFFIC CONTROL OFERATIONS CONCEPTS VOLUME II: ACF/ACCC TERMINAL AND EN ROUTE CONTROLLERS

CDRL B112, VOL. II

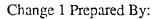
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6 July 1987

CHANGE 1, 29 July 1988

## Original Prepared By:

H. L. Ammerman E. S. Becker C. A. Claussen E. E. Inman G. W. Jones B. E. Melville W. K. Tobey



J. R. Alexander V. L. Alley H. L. Ammerman C.M. Hostetler G. W. Jones



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Page No.	Change No.	Page No.	Change No.	Page No.	Change No.
i thru x	1	A-77 thru A-78	1	B-18 thru B-19	О
1-1 thru 1-3 (new)	ī	A-79 thru A-85	О	B-20 thru B-28	1
2-1 thru 2-2	1	A-86	1	B-29 thru B-36	Deleted
A-1	i 1	A-87 thru A-90	О	B-37 thru B-40	O
A-2	Ö	A-91	1	C-1 thru C-53	1
A-2 A-3	-	A-92 thru A-106	0	D-1 thru D-9	1
A-4 thru A-20	1	A-107	1	D-10 thru D-11	O
	0	A-108 thru A-118	0	D-12 thru D-14	1
A-21 thru A-22	1	A-119	1	D-15	O
A-23 thru A-25	O	A-120 thru A-121	О	D-16	1
A-26 thru A-29	1	A-122 thru A-123	1	D-17	O
A-30 thru A-35	0	A-124 thru A-127	О	D-18 thru D-20	1
A-36	1	A-128 thru A-130	1	D-21	0
A-37	0	A-131 thru A-132	O	D-22 thru D-28	1
A-38	1	A-133 thru A-134	1_	D-29	O
A-39	0	A-135 thru A-142	0	D-30 thru D-36	1
A-40	i	A-143 thru A-145	1	D-37	0
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A-47 thru A-50	1	A-154	1	E-1 thru E-108	I .
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A-51	O	A-156	1	F-1 thru F-113	1
A-52 thru A-54	1	A-157 thru A-158	O	G-1	0
A-55 thru A-61	O	A-159 A-160 titru A-162	1 O	H-1 thru H-26	1
A-62 thru A-63	1				
A-64	О	A-163	1 O		
A-65	1	A-164			
A-66	O	A-165 thru A-166 B-1	1		
A-67 thru A-68	1	B-1 B-2	ì O		
A-69	0	B-2 B-3 thru B-7	1		
A-70 thru A-71	i	B-8 thru B-9	0		
A.72 thru A-74	Ó	B-8 tiru B-9 B-10 thru B-14	1		
A-75	1	B-15 thru B-16	0		
A-76	0	B-17	1		
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Upon receipt of changes to this volume, remove superceded pages and replace with the appropriate change page. Below is a list of the formal changes detailed above and the effective date of each.

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#### **FOREWORD**

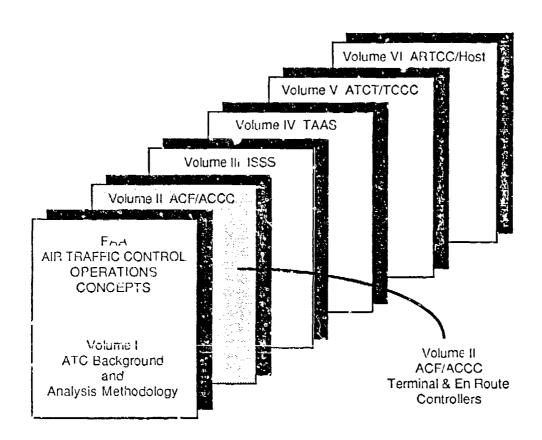
This document constitutes Volume II of a series of volumes which collectively define Air Traffic Control (ATC) Operations Concepts for the Federal Aviation Administration (FAA). This series was developed specifically to support the Advanced Automation System (AAS) and considers operations in today's facilities and the automated capabilities planned for the AAS in order to reach an understanding of how controller and other operational jobs will be performed as AAS evolves.

The AAS will provide enhanced capabilities to support operational ATC personnel in the en route, terminal, and tower environments; include automated capabilities to process and display surveillance data (targets, tracks, and weather), flight data, and environmental and status data, to assist the controller in maintaining a safe, orderly, and expeditious flow of traffic; provide supervisory and maintenance data and controls; and include message entry, information processing, and display outputs adaptable to the requirements and individual preferences of each controller. Ultimately, the AAS advanced automation features are expected to improve productivity by providing controllers with various strategic planning capabilities, while relieving controllers of certain routine control actions.

Evolution from the current system to the full AAS environment will progress through several major stages. This multi-volume series provides ATC personnel the Operations Concepts for selected operational positions in these different stages of AAS evolution. Volumes currently consist of the following:

- <u>Volume I, ATC Background and Analysis Methodology</u> includes material common to all Operations Concept analyses in subsequent volumes, and defines analysis concepts used in those volumes.
- <u>Volume II, ACF/ACCC Terminal & En Route Controllers</u> addresses the domestic en route and terminal controller in the full AAS with Automated En Route Air Traffic Control (AERA) I capabilities.
- <u>Volume III, ISSS En Route Controllers</u> addresses the domestic en route controller in the Initial Sector Suite System (ISSS) environment.
- <u>Volume IV, TAAS Tenninal Controllers</u> addresses the terminal controller in the Terminal Advanced Automation System (TAAS) environment.
- <u>Volume V. ATCT/TCCC Tower Controllers</u> addresses the tower controller in the Tower Control Computer Complex (TCCC) environment.
- <u>Volume VI, ARTCC/Host En Route Controllers</u> addresses today's domestic en route controller in the Air Route Traffic Control Center (ARTCC)/Host environment.

Future volumes addressing other AAS phases and/or operational positions will be published as required. The volumes currently identified are represented in the illustration (page vi).



FAA Air Truffic Control Operations Concepts Volumes

Volume I provides a brief overview of the current ATC environment and planned enhancements, as well as descriptions of the analysis methodology used to produce the operations concepts of subsequent data volumes. Volume II focuses on en route (non-oceanic) and terminal controller operations in the Area Control Facility (ACF) of the full Area Control Computer Complex (ACCC), including Automated En Route Air Traffic Control (AERA) 1 functionality. It considers operations in today's facilities and the automated capabilities planned for AAS, in order to reach an understanding of how controller jobs will be performed within the ACCC.

Each of the other data volumes focuses on one or more operational positions in a particular type of ATC facility at a specified stage of AAS development. Each of these data volumes is an operations concept describing how controllers will perform their operational duties, given the support of the automated capabilities provided at the specified stage of AAS development.

Configuration control procedures have been developed to ensure that operational requirements data are maintained for currency, completeness, and consistency with the AAS System Level Specification (SLS). This will be accomplished via change pages whenever possible rather than republishing a new or updated volume. Substantive changes to the original volume are indicated

by a black line as shown in the margin of this paragraph. The "List of Effective Pages" (page iv) provides the current status of each page in this volume and will be updated with each subsequent change. Changes will reflect new design information and derived requirements resulting from design maturity, changes in specification requirements, and the impact of other AAS programs such as the Voice Switching and Control System (VSCS) and the Real Time Weather Processor (RWP).

The value of these results rests heavily upon contributions of those active in and familiar with the present system and knowledgeable in the plantied ACCC system of the future. The authors wish to express their thanks to the following members of the Sector Suite Requirements Validation Team (SSRVT) who, in addition to providing much—valuable time and insight into operational matters, also provided detailed review and validation of the contents of these volumes:

#### NAME

Gary Badger Richard Banks Richard Chavez Carlisle Cook Don Dunn Max Hall Thomas Lane Marty Lilly Marvin Perkins Ralph Procaccini Terry Schomburg Jim Sheely Kathy Vargo John White John Williams Floyd Woodward

#### **FACILITY**

Anchorage ARTCC Denver TRACON Albuquerque ARTCC Atlanta ARTCC Sacramento TRACON Salt Lake City ARTCC Atlanta ARTCC New York TRACON Jacksonville ARTCC Kansas City ARTCC Waterloo ATCT Charlotte ATCT Flint ATCT Indianapolis ARTCC Portland ATCT ATR-210

Providing valued support to the continued efforts of the SSRVT are Richard Barker (ATR-150), Gail Garwood (ATR-150), L. Lane Speck (ATR-100), and Frank Yohe (AAP-100).

Also contributing to the development of this volume are Cathy Palmieri (MITRE) and Don Gray (AT-330) who served as representives to the SSRVT. Providing valued participation in ensuring compatibility of ACCC and AERA 2 tasks for the original edition were Jim Buckles (New York ARTCC), Dennis Poore (Atlanta ARTCC), and Dusty Rhodes (Fort Worth ARTCC) from the Air Traffic AERA Concepts Team, along with Terry Schomburg and John White from the SSRVT.

## TABLE OF CONTENTS

## **VOLUME II**

	Page	
List of E	iffective Pagesiv	ļ
Forewor	rdv	
SECTIO	ON 1 INTRODUCTION	
1.1 1.2 1.3 1.4 1.5	PURPOSE 1-1 ANALYSIS METHODOLOGY 1-1 APPENDICES 1-1 ASSUMPTIONS 1-2 DOCUMENT INTERFACE 1-2	
SECTIO	ON 2 METHODOLOGY	
2.1 2.2	GENERAL PROCESS	
APPENI	DICES:	
A.	COMPOSITION GRAPHS	
В.	TASK STATEMENTS AND EVENT TO SUB-ACTIVITY TRACEB-1	
C.	USER INTERFACE LANGUAGE	
D.	TASK CHARACTERIZATION ANALYSESD-1	
	Task Information Requirements D-2 Cognitive/Sensory Attributes D-29 Performance Requirements D-37 Deleted	
E.	TASK ELEMENT STATEMENTS E-1	
F.	TRACEABILITY TABLESF-1	
G.	SITE VISIT INFORMATIONG-1	
Н.	EXPANDED OPERATIONAL SCENARIOSH-1	

## LIST OF FIGURES AND TABLES

## **FIGURES**

Figure A-1	Composition Graph Symbology	
	TABLES	
	Logical Display Contents	

#### SECTION 1

#### INTRODUCTION

#### 1.1 PURPOSE

This volume portrays the operational actions of ACF en route and terminal controllers in the full ACCC and AERA 1 environments from the controller's viewpoint. It includes an introduction (Section 1), brief supplementary information to Volume I pertaining to the analysis methodology used for the ACF/ACCC en route and terminal position (Section 2), and a series of appendices presenting the data developed through the present analysis.

#### 1.2 ANALYSIS METHODOLOGY

Section 2 of this volume discusses special features of the analysis methodology that are applicable to the Operations Concept for ACF en route and terminal controllers. A detailed discussion of the analysis methodology is found in Volume I, Section 3.

The focus of the methodology is on the interaction between the controller and the automated system; however, controller tasks involving no interaction with the system are included where appropriate. The analysis excludes non-operational tasks such as administrative tasks and tasks related to training. Non-FAA controllers and ATC oceanic controllers are not addressed.

Each ATC facility exhibits unique features. The amount and composition of the worktoad varies significantly from one facility to the next, and varies within a particular facility over time. Tasks that are performed frequently in one facility may be tare in another. Therefore, this analysis addresses a "generic" Area Control Facility, where the analysis is broad enough to capture all significant controller tasks performed in an ACF. Tasks performed very infrequently by a typical controller are omitted, unless they are of overriding criticality when they occur.

En route and terminal controllers are analyzed together because the task differences between them in the ACF environment are not significan. Similarly, the several possible team positions within en route control are integrated for this analysis, because they work as a unit.

#### 1.3 APPENDICES

Data developed through the present analysis are contained in the following series of appendices to this volume and parallel the methodology discussion of Volume I, Section 3:

- Appendix A: Composition Graphs
- Appendix B: Task Statements and Event to Sub-Activity Trace
- Appendix C: User Interface Language

- Appendix D: Task Characterization Analyses
  - -- Task Information Requirements
  - Cognitive/Sensory Attributes
  - Performance Requirements
  - Deleted
- Appendix E: Task Element Statements
- Appendix F: Traceability Tables
- Appendix G: Site Visit Information
- Appendix H: Expanded Operational Scenarios

#### 1.4 ASSUMPTIONS

The assumptions for this analysis are as described in Volume I, Section 1.5. No new assumptions are identified.

### 1.5 DOCUMENT INTERFACE

The Operations Concept Analysis contained in this volume was developed from the methodology defined in Volume I. Thus, Volume I is necessary for full understanding of the analysis methods used to develop the data in this volume, and the following Volume I appendices should be referred to for topical material relevant to the present analysis:

- Appendix A: Air Traffic Events
- Appendix B: Baseline Operational Scenarios
- Appendix C: Verb Glossary (Task, Element)
- Appendix D: Glossary of Terms
- Appendix F: ATC Task Element Modules
- Appendix G: References
- Appendix H: Acronyms

Reference citations in this volume are to references reported in Volume I, Appendix G. Reference numbers are given between brackets [ ].

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#### **SECTION 2**

#### **METHODOLOGY**

#### 2.1 GENERAL PROCESS

The analysis of the ACF/ACCC en route and terminal position followed the order in which the methodology is described in Volume I, Section 3. It is an expansion and updating of the previous analysis for this position, dated 1 November 1985 [8]. The current update is to the <u>AAS System Level Specification (Draft)</u>, Acquisition Phase [21] dated 28 August 1987.

New tasks were identified in the reissued System Level Specification. These are inserted in appropriate locations on the position's sub-activity Composition Graphs of Appendix A. All graphs were subjected to thorough review for completeness and logic. Some previously identified tasks were reworded for clarity and some new tasks were identified. Additionally, the controller Composition Graphs and tasks were compared with those that had been developed for the AERA 2 Operations Concept [12] for compatibility and consistency, with appropriate revisions made to enhance the correspondence between the two. The resulting tasks, along with a listing of non-task ancillary actions and a trace of each sub-activity to specific ATC events, are presented in Appendix B.

Controller input messages and display output messages are updated to the System Level Specification [21]. These results are incorporated in the User Interface Language (UIL) of Appendix C.

Characterizations of each task are accomplished in terms of task type, information requirements, frequency and criticality ratings, cognitive/sensory attributes, performance criteria, and interaction techniques. These are reported in the three task characterizations of Appendix D. Information requirements are updated to the current User Interface Language of Appendix C.

Each task is decomposed to its constituent procedural steps and actions. These actions, called "elements," represent the lowest level description of controller-machine interaction with respect to system-level requirements. The Task Element tables are contained in Appendix E.

Traceability is maintained between operational tasks and specific system requirements documented in the System Level Specification [21]. The results of this trace, along with a report of "orphan" tasks not traced to the system requirements, are contained in Appendix F.

The baseline terminal and en route operational scenarios reported in Volume I, Appendix B, are expanded to reflect the operational tasks involved in each. Thus, they present operational solutions to the problems posed in the baseline scenarios. These are recorded in Appendix H.

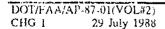
The sub-activity Composition Graphs, task data, characterizations, elements, and operational scenarios were subjected to review and validation by the Sector Suite Requirements Validation Team.

#### 2.2 SPECIAL METHODOLOGY FEATURES

For this update of the Operations Concept there were no new site visits. Previous site visits and controller interviews were accomplished in conjunction with original Operations Concepts for terminal and en route controllers [2, 6]. The procedural emphasis for the present volume was on information reported in the System Level Specification [21] and reviews of task and data revisions by system users. Appendix G, therefore, reports no new site information.

This update included loading all task information, characterizations, elements, and requirements traces into an automated data base for more efficient updating in the future. This data base is managed by a tool called the <u>Computer-Human Operational Requirements Analysis System (CHORAS)</u> [16]. This system enhances the consistency and completeness of the Operations Concept data when changes and updates are necessary.

Additionally, CHORAS permits the rapid generation of Operational Concepts for the various AAS segments as reported in Volume III (for the Initial Sector Suite System terminal controllers), Volume IV (for the Terminal Advanced Automation System En Route controllers), Volume V (for the Terminal Advanced Automation System terminal controllers), and Volume VI (for today's Air Route Traffic Control Center/Host en route controller). The present volume (for the ACF/ACCC en route and terminal controllers) serves as the baseline for the production of these other four Operations Concepts.



#### APPENDIX A

#### COMPOSITION GRAPHS

This appendix contains the Composition Graphs for each of the 49 sub-activities of the ACF/ACCC terminal and en route controllers. These are grouped by six higher-level activities for the position:

A1.1	Perform Situation Monitoring
A1.2	Resolve Aircraft Conflicts
A1.5	Manage Air Traffic Sequences
A1.4	Route or Plan Flights
A1.5	Assess Weather Impact
A1.6	Manage Sector/Position Resources

Each level of decomposition is represented graphically. The top-level graph of the position, showing all six activities, immediately follows the Composition Graph Symbology figure. Activity Composition Graphs precede the set of sub-activity graphs making up that activity. There are 428 distinct tasks incorporated within the 49 sub-activity Composition Graphs.

Sub-activities are linked (in most instances) to one or more ATC events which influence the accomplishment of the sub-activity. This linkage is identified in Appendix B.

The use of symbology in the Composition Graphs is portrayed in Figure A-1. In addition to logical flow and path conditionals, the sub-activity Composition Graphs show the coordination which forms a large part of the controller's job. For each task involving coordination and communication with others, the top row of the task statement boxes is annotated with the coordination points that may apply. These may be other positions or other agencies or facilities. The task box also depicts, at the bottom row, the media by which that coordination may be accomplished. Figure A-1 also identifies the abbreviations employed for each coordination point and for each communication medium. The use of the Voice Communications (V) medium implies any voice means, either by Voice Switching and Control System (VSCS) or use of direct personto-person talking when the recipient is within hearing distance. Because a task may appear as part of more than one sub-activity, the coordination data encompass all cases; not all coordination points or media may apply in a particular sub-activity occurrence of a task, nor in all situations in which that sub-activity is performed on the job.

In some cases, a particular set of tasks may be relevant to many sub-activities. To save space and graphing complexity, these sets are designated as "macros" and a special graph symbol of an oval is used to depict that entire set of tasks. This shorthand feature is used for two such macros in this analysis. These are the macros of:

A1.0.0.0, Generate Cicarance Macro (comprised of selected tasks from Sub-Activity A1.4.1, Planning Clearances, and Sub-Activity A1.4.10, Issuing Clearances);

A.1.0.0.1, Trial Planning Macro (comprised of selected tasks from Sub-Activity A1.4.11, Processing Trial Plans).

The graphing layouts of each of these macros appear following the top-level graph of position A1 activities, and preceding the full set of activity and sub-activity Composition Graphs.

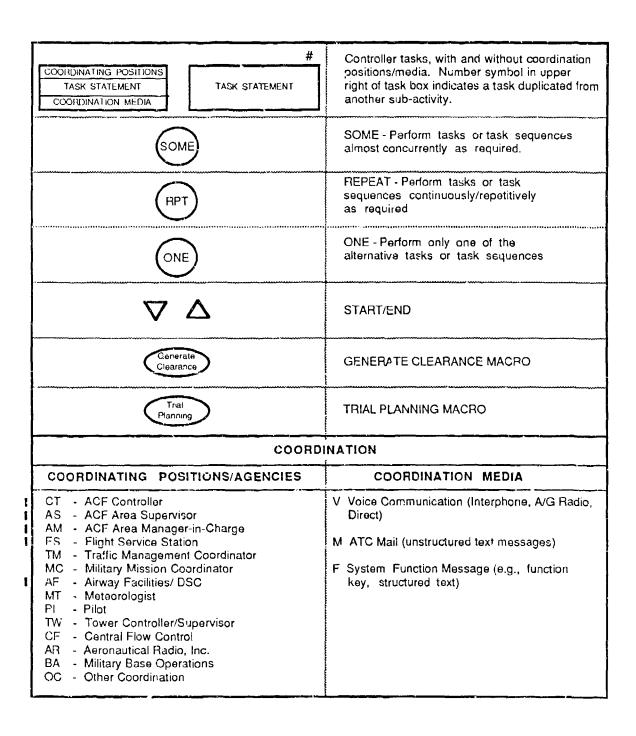
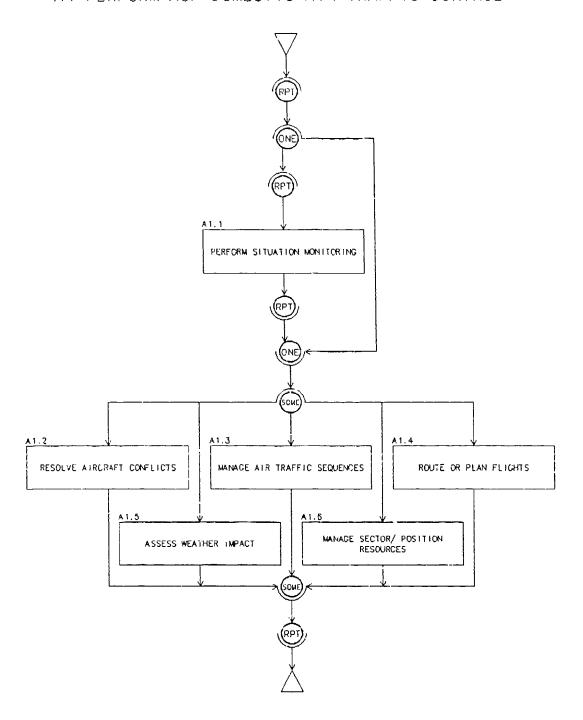
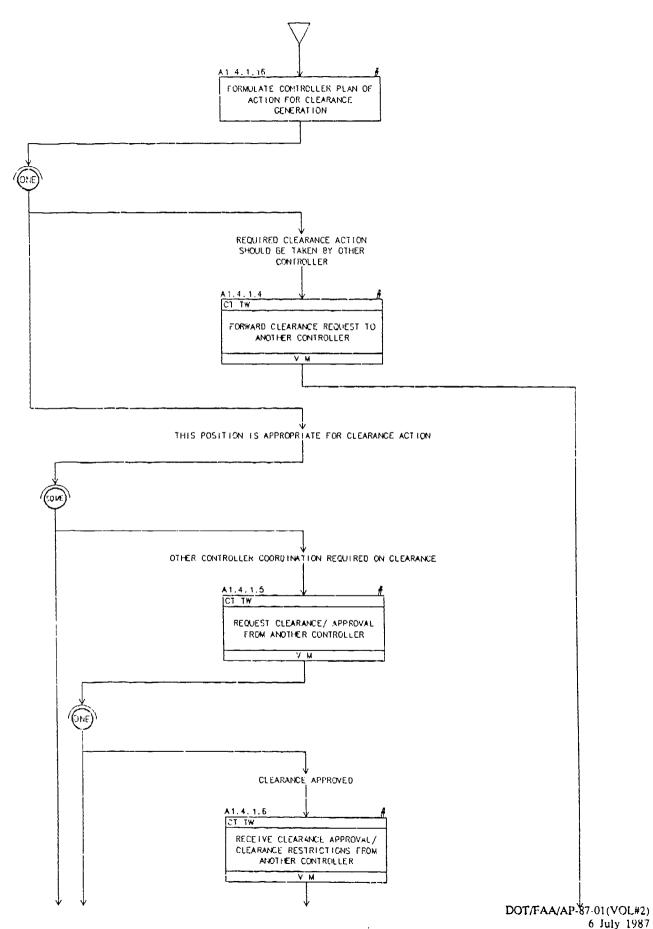
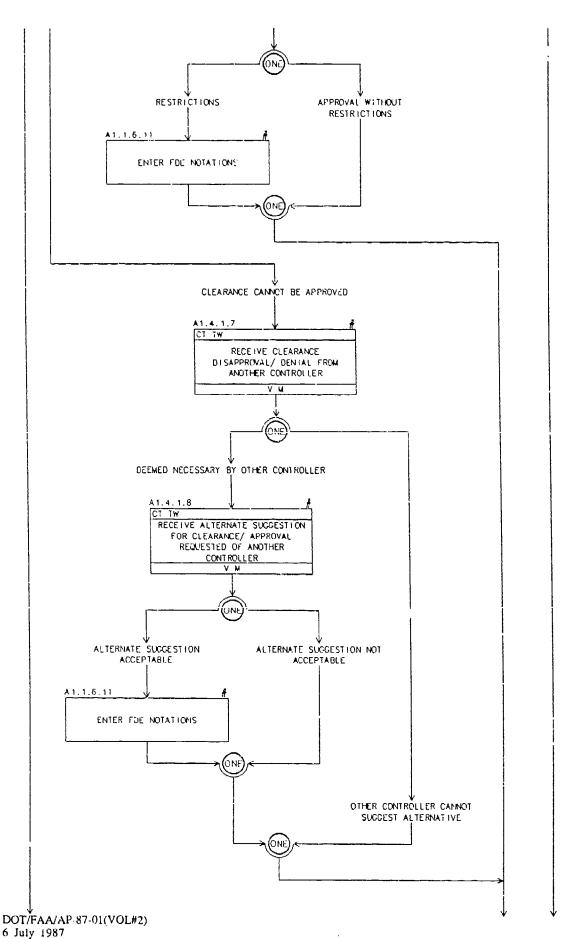
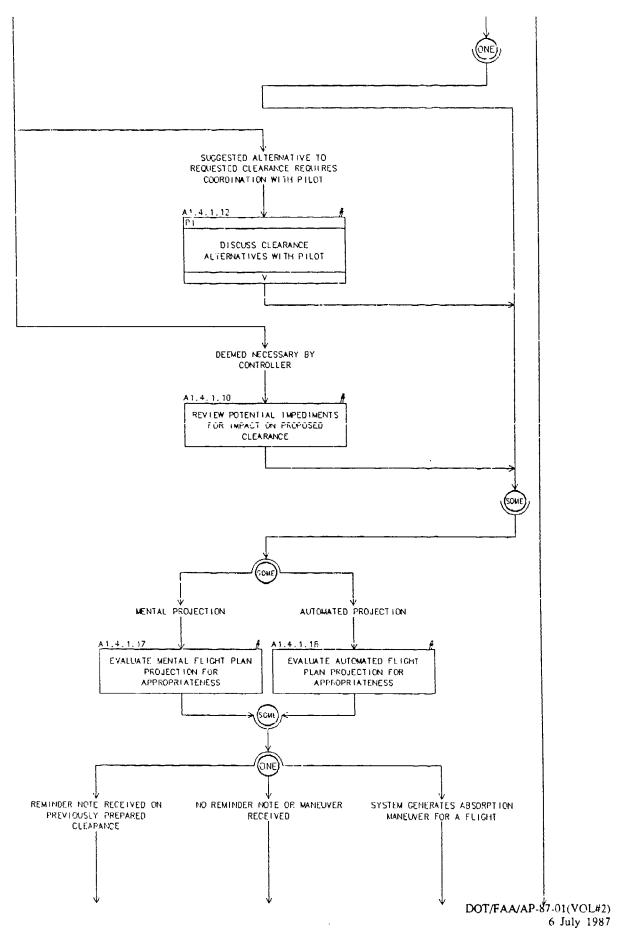


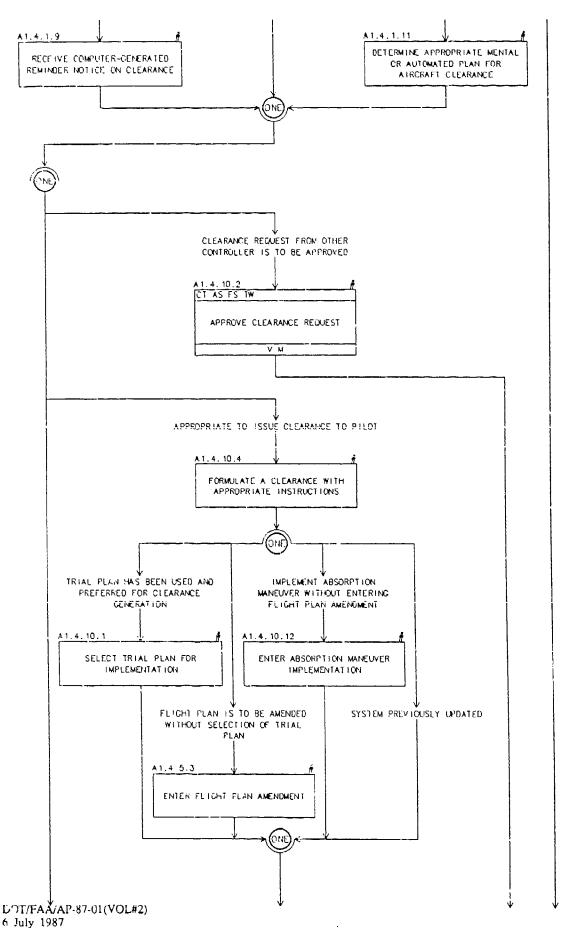
Figure A-1. Composition Graph Symbology



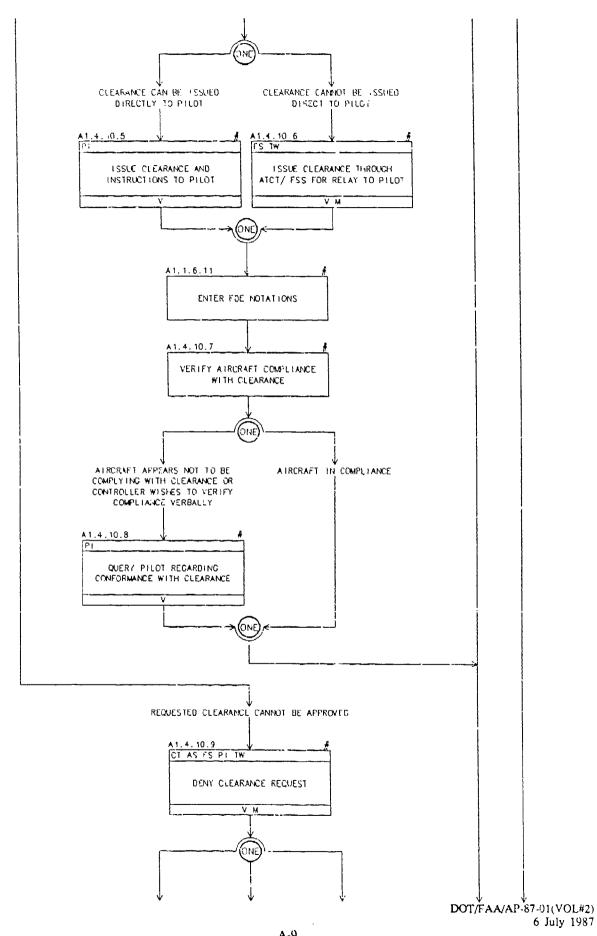




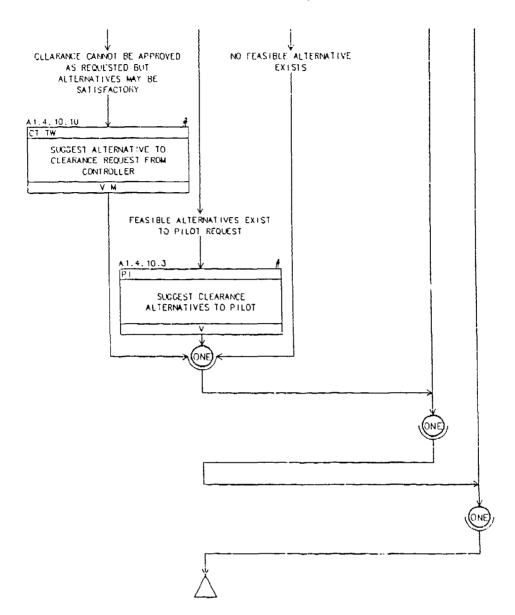


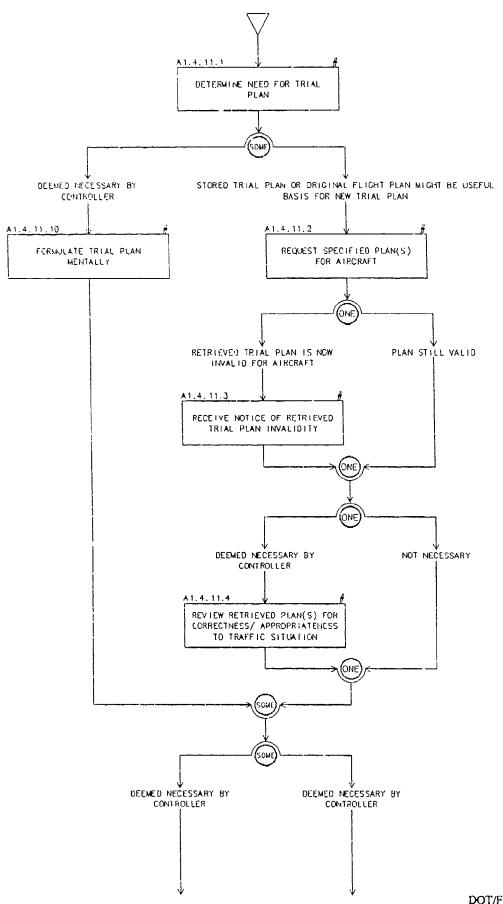


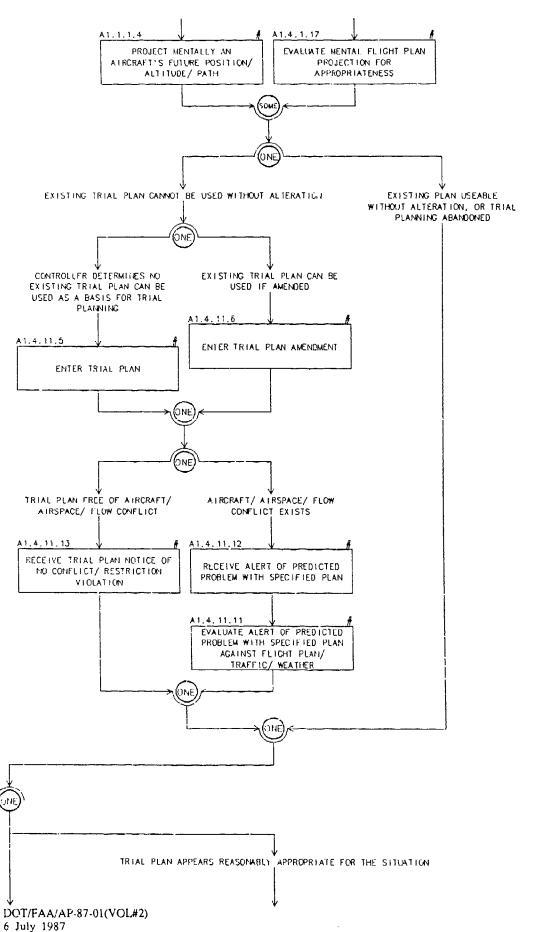
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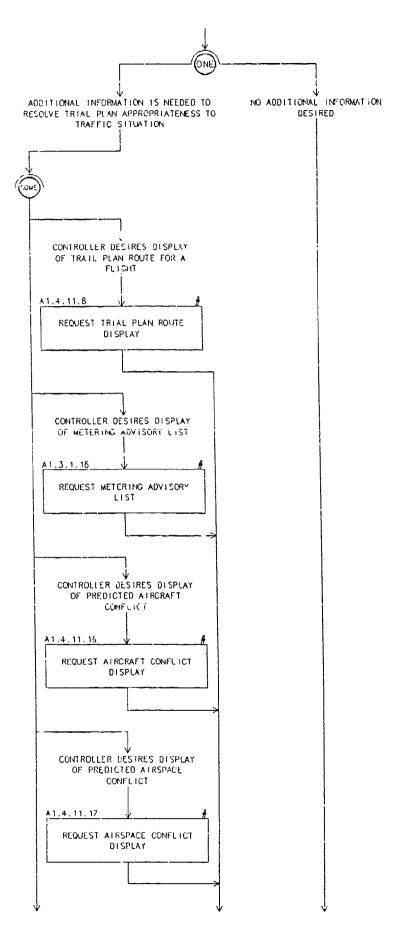


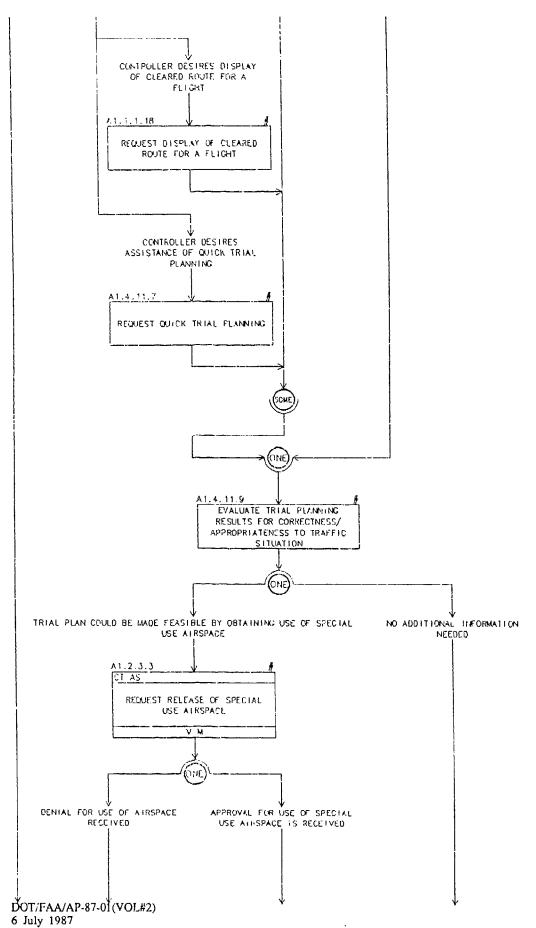
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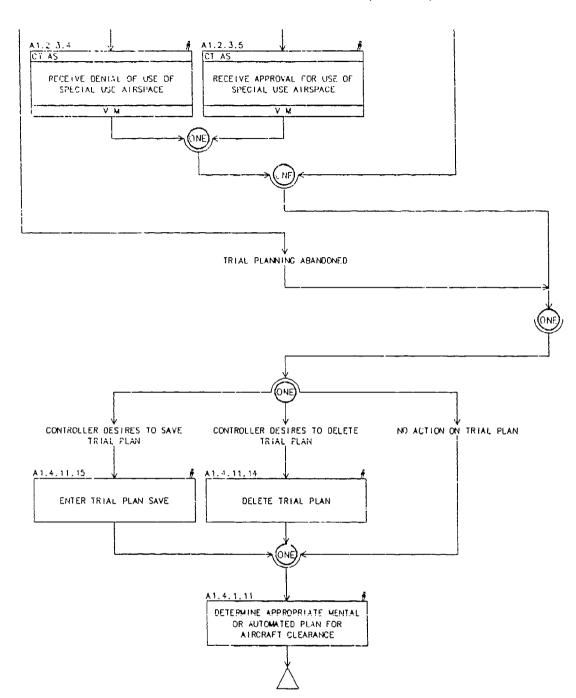


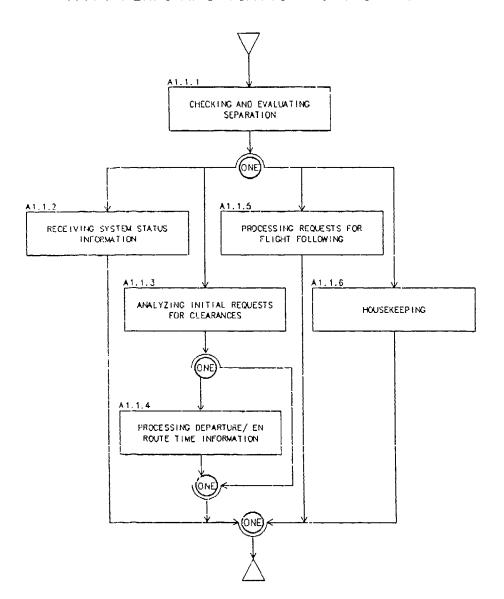


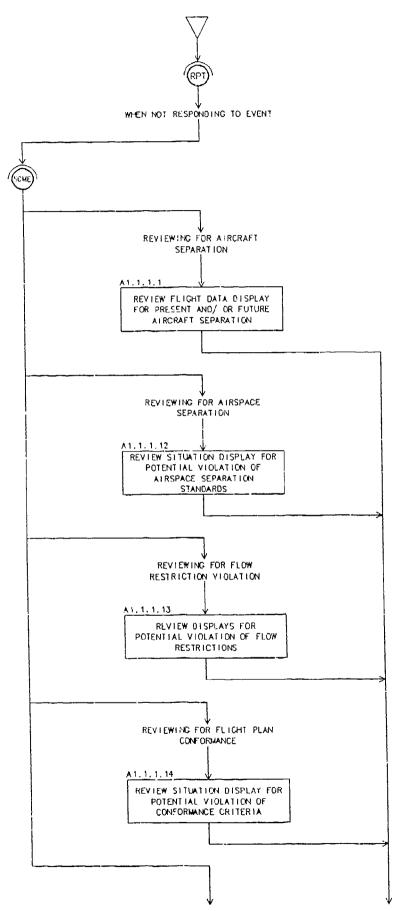


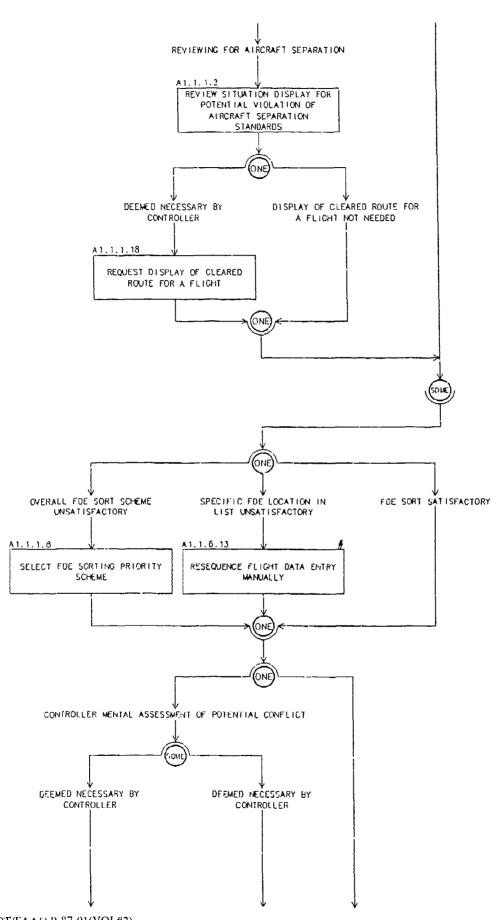


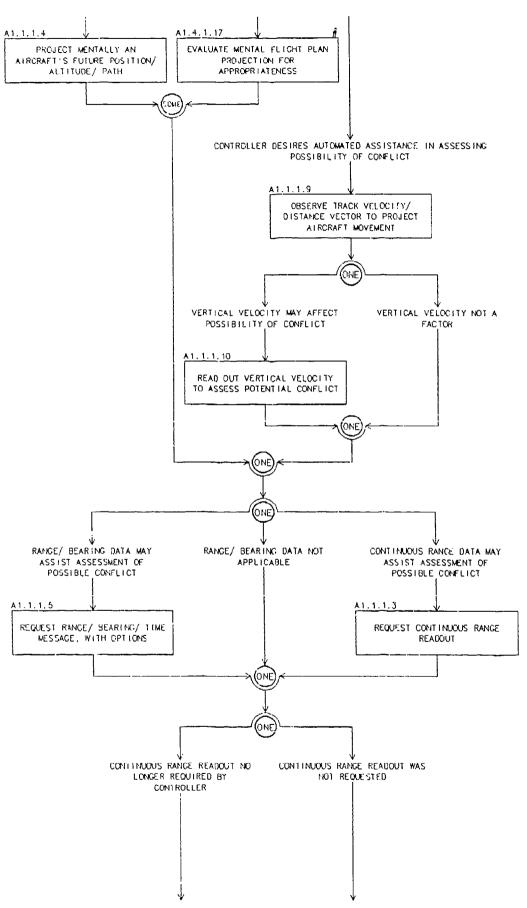
## A1.0.0.1 TRIAL PLANNING (cont.)

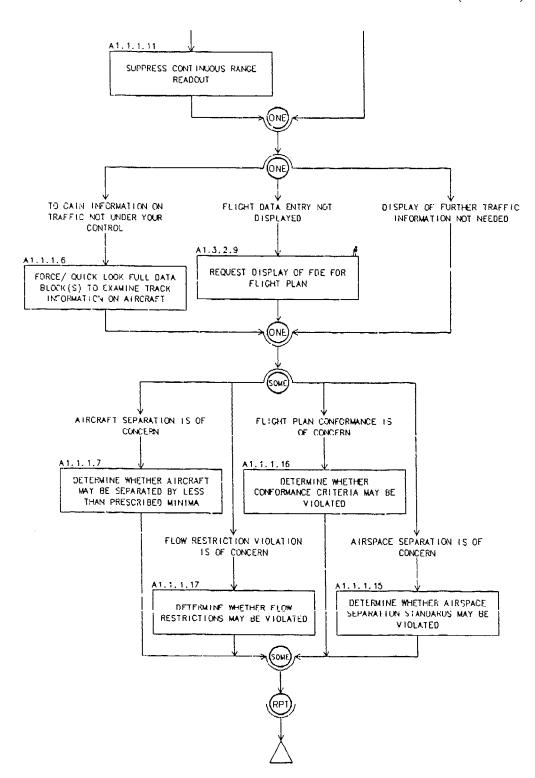


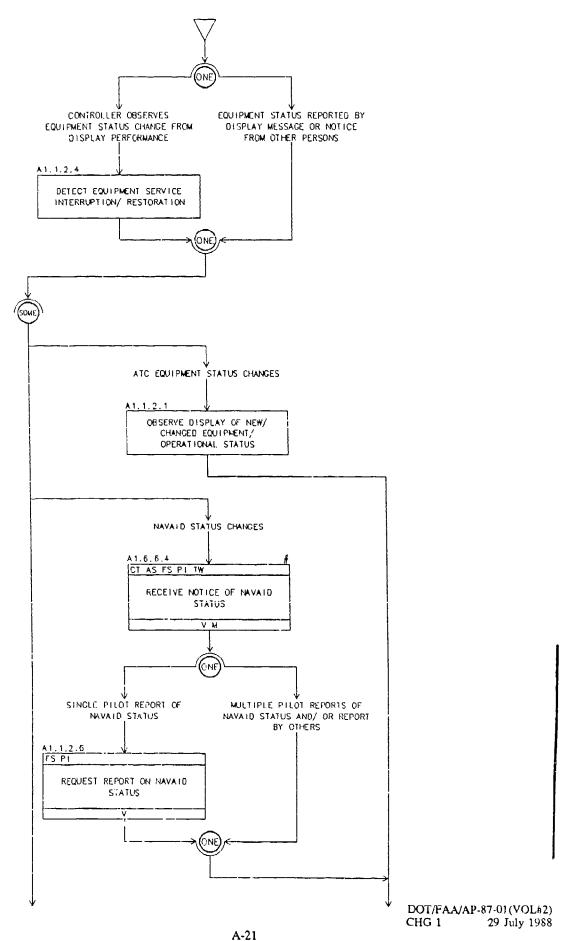


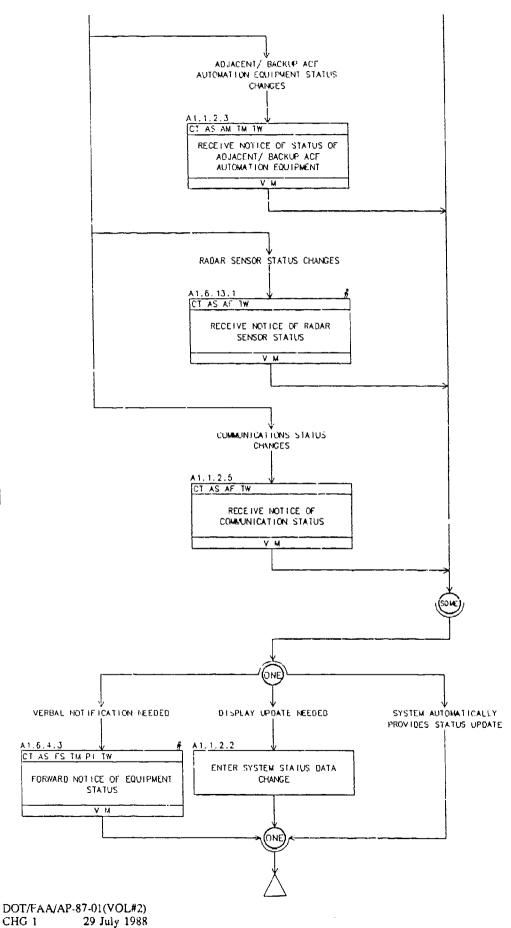




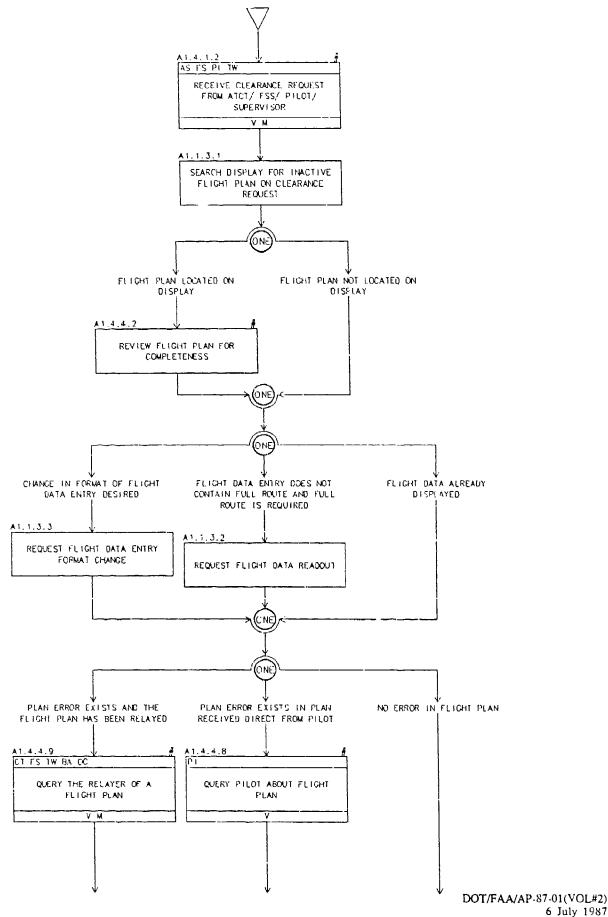




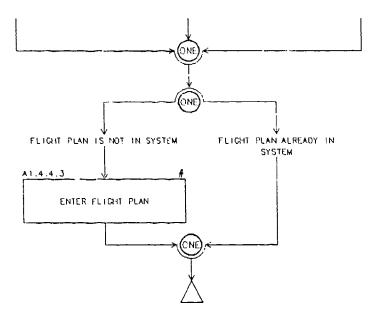


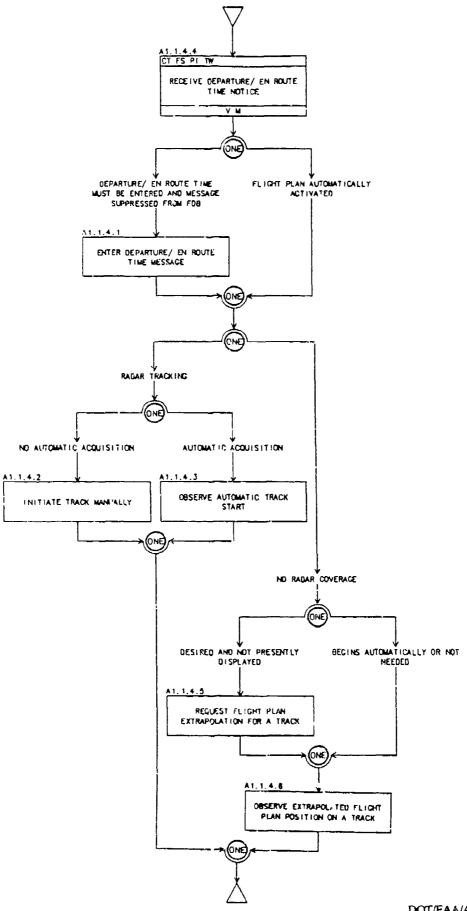


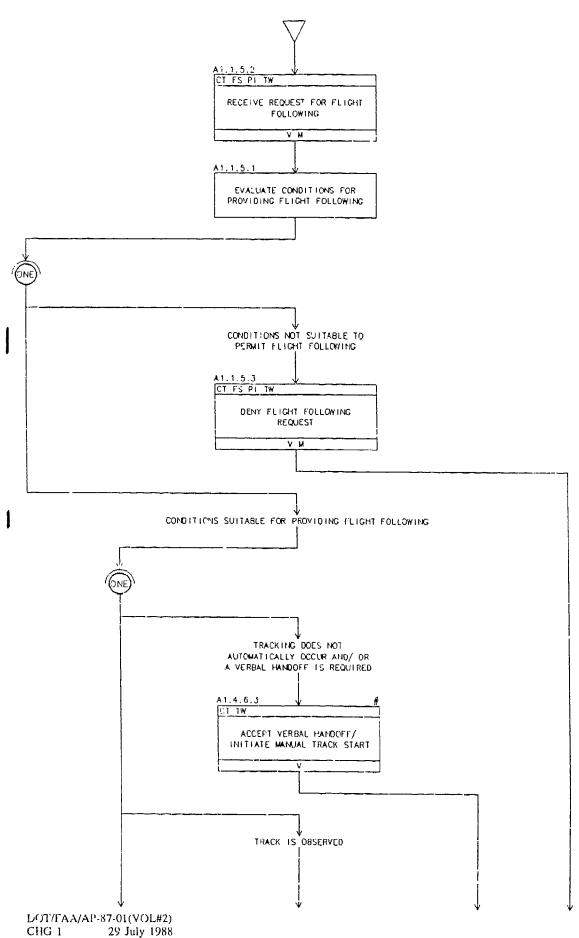
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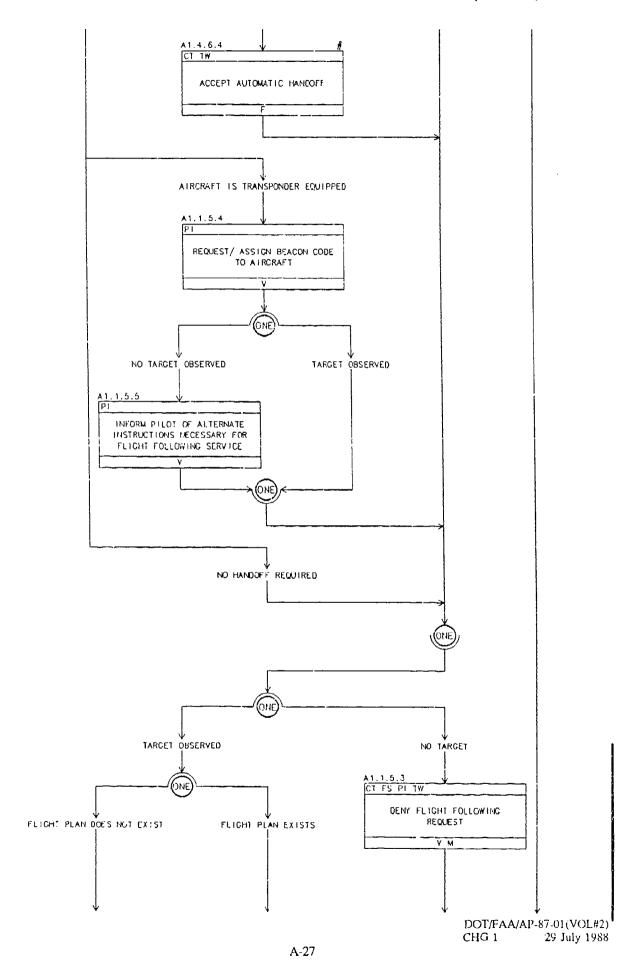


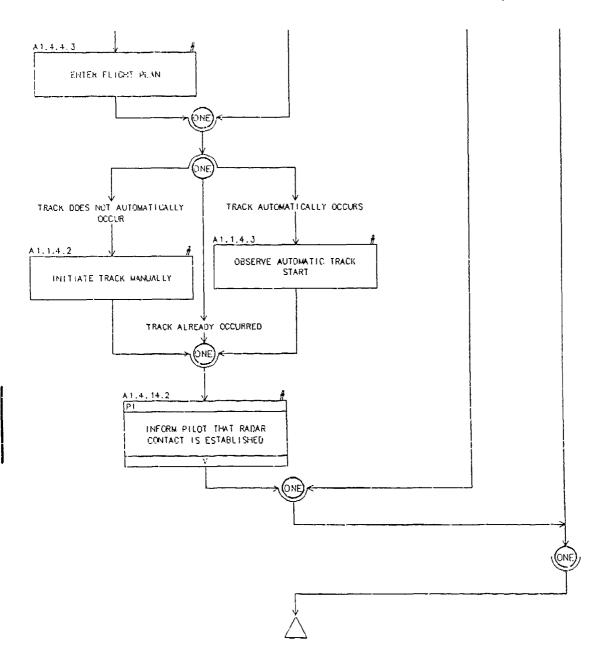
#### A1.1.3 ANALYZING INITIAL REQUESTS FOR CLEARANCES (cont.)

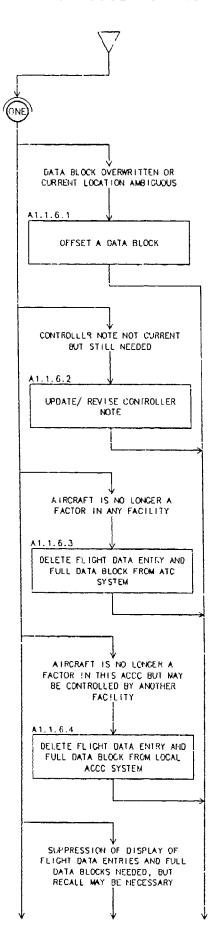


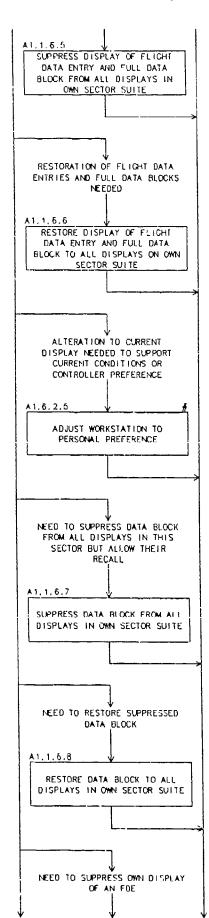


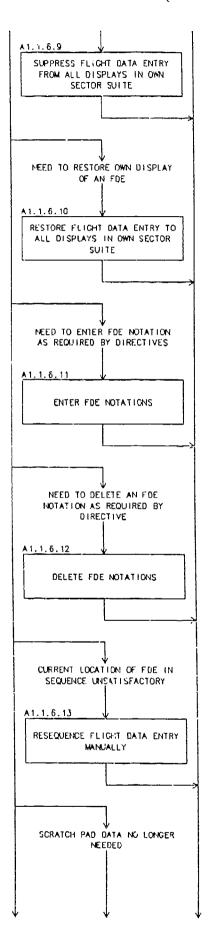




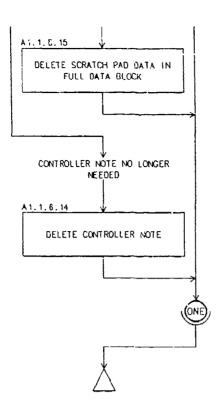


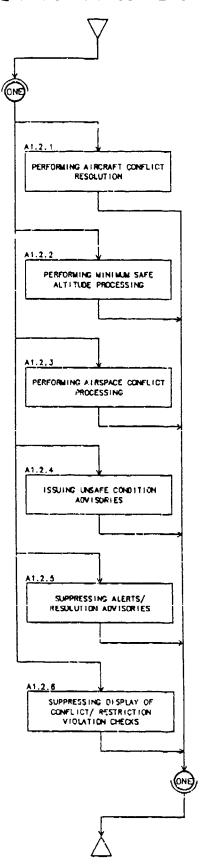


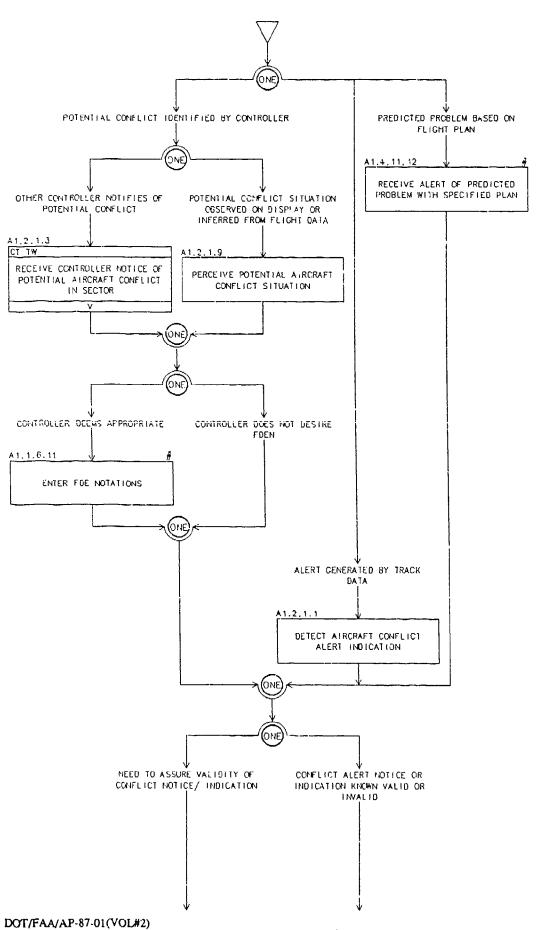


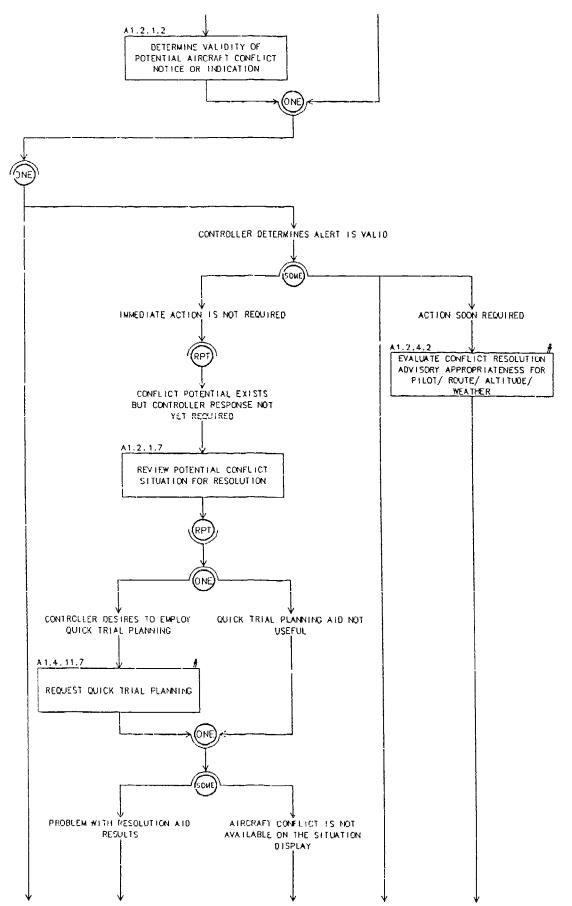


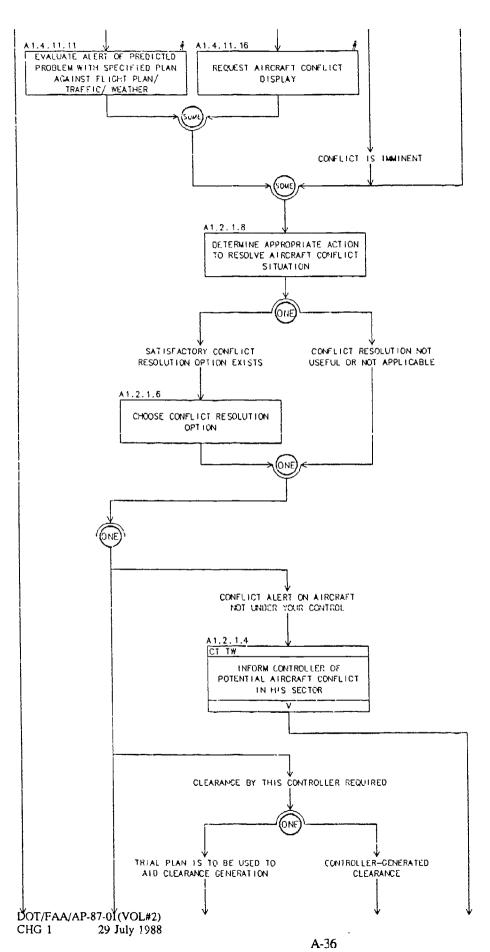
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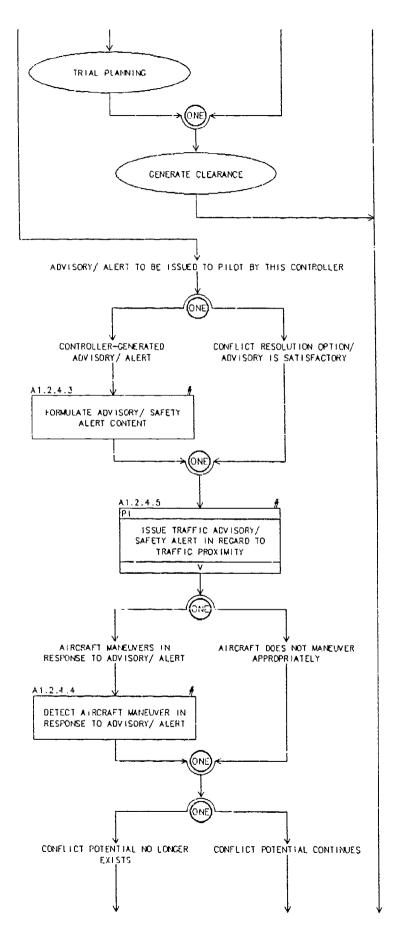


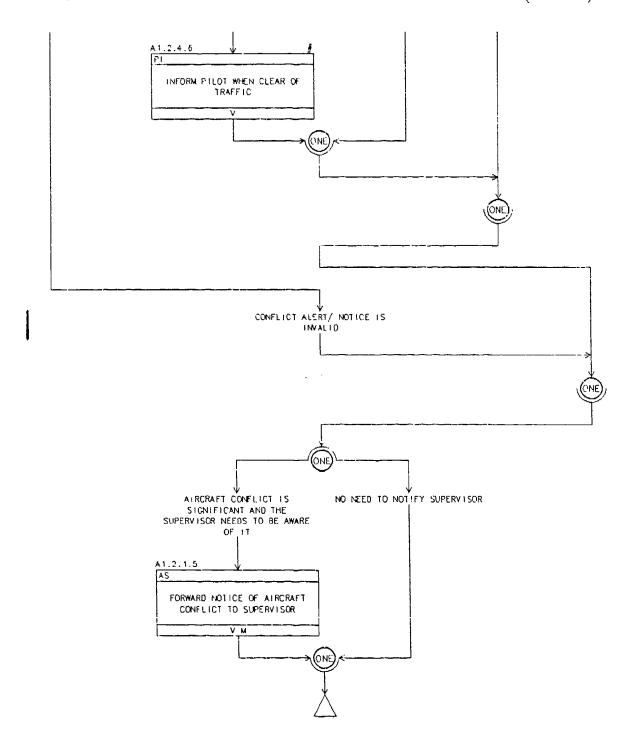


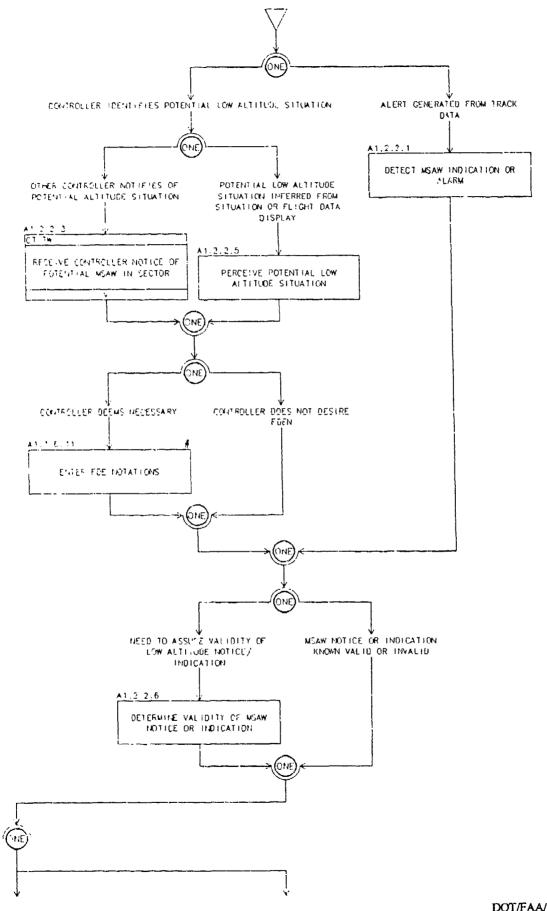


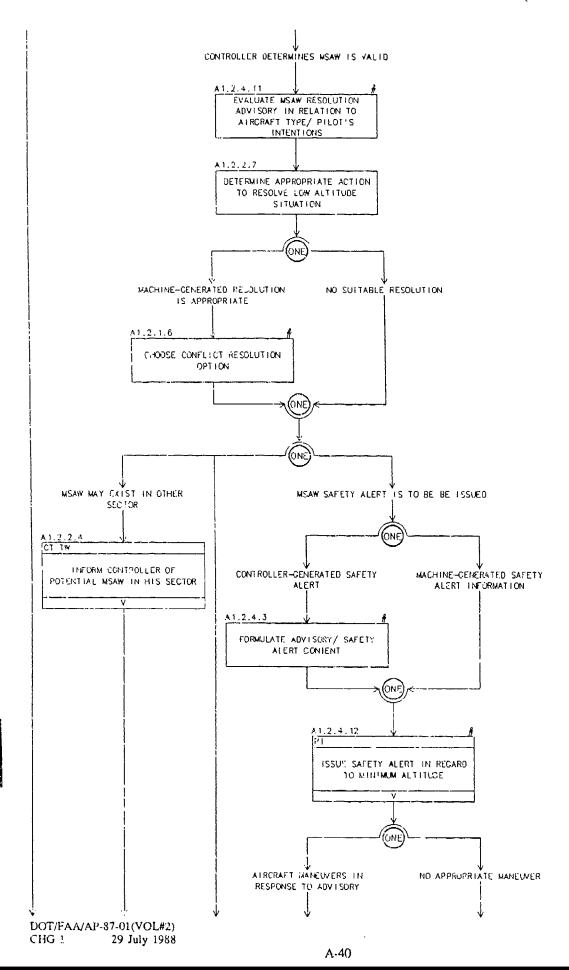




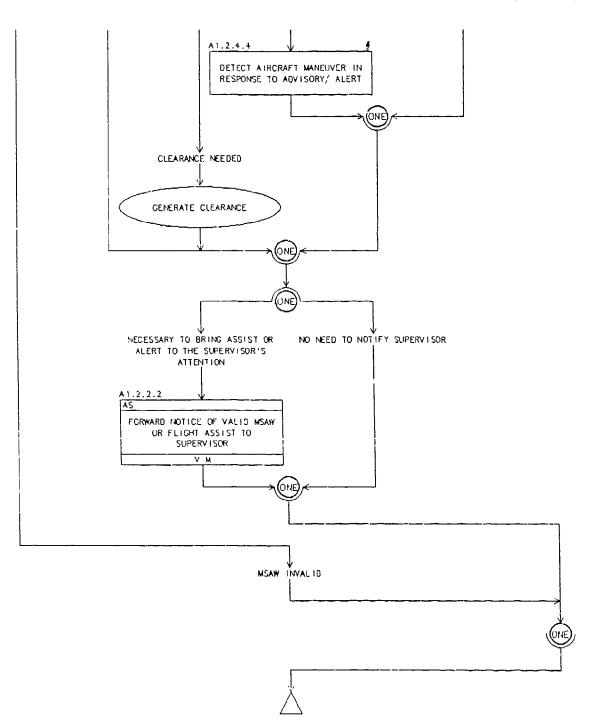


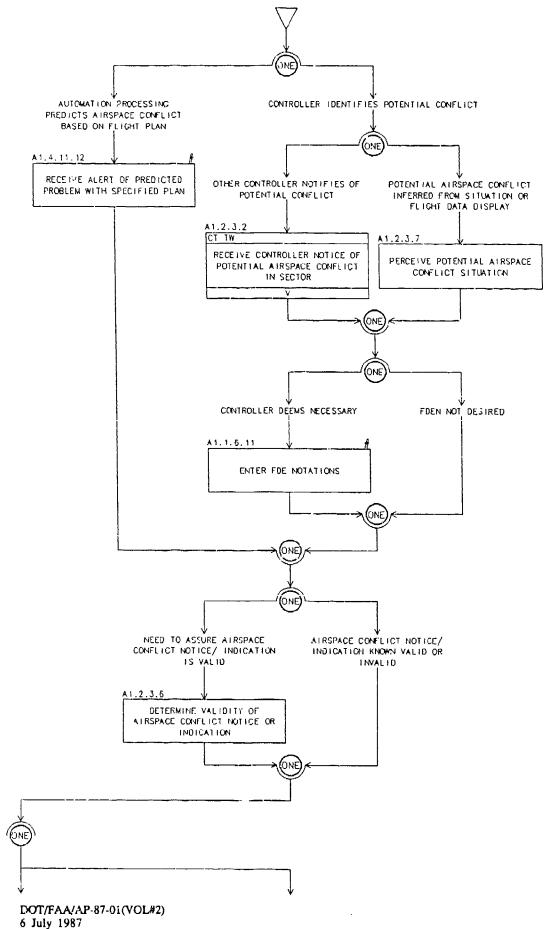


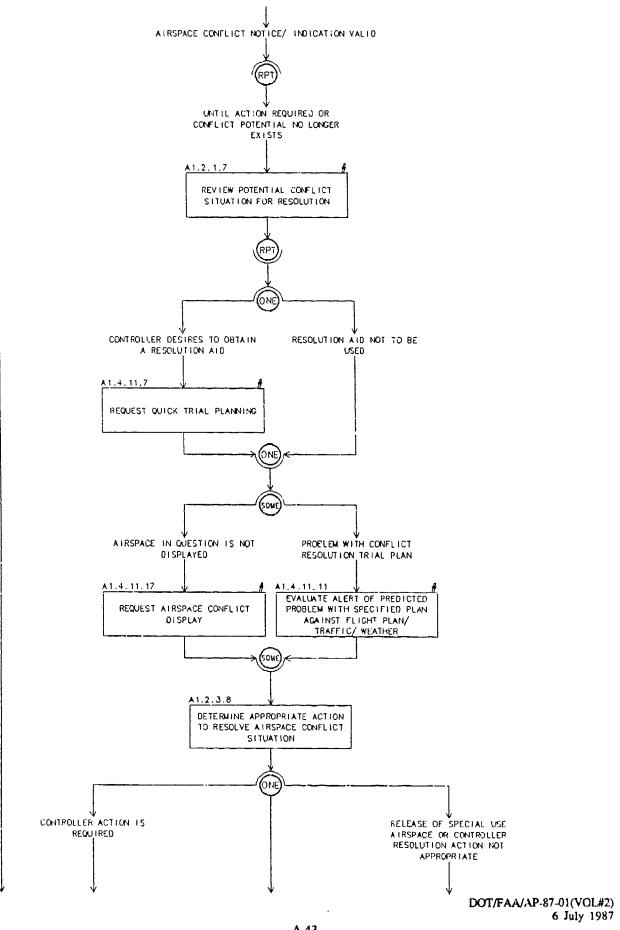


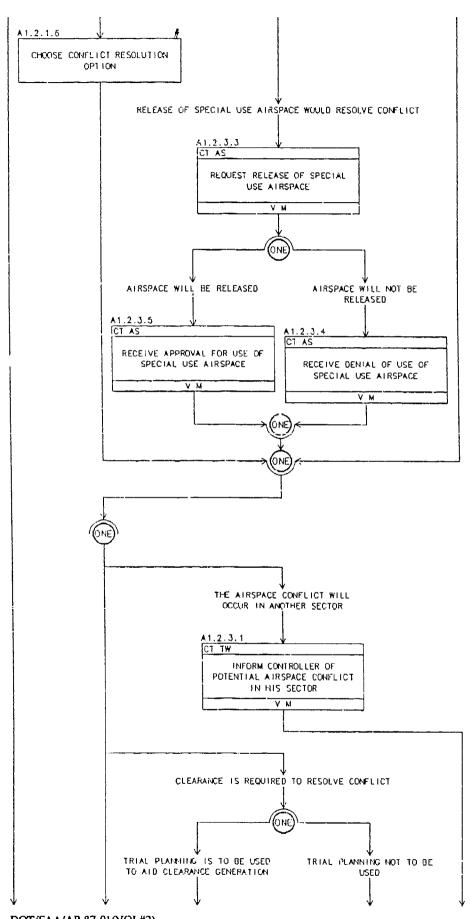


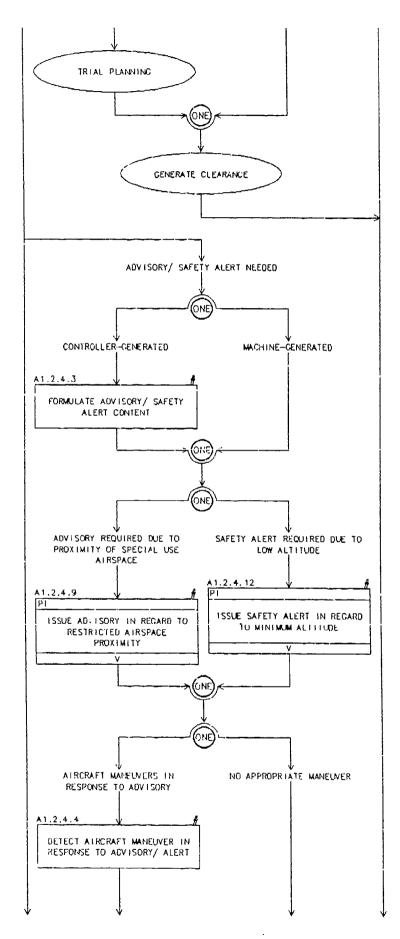
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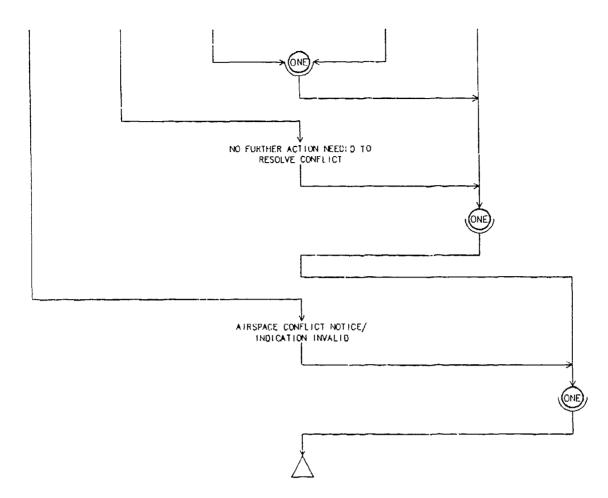


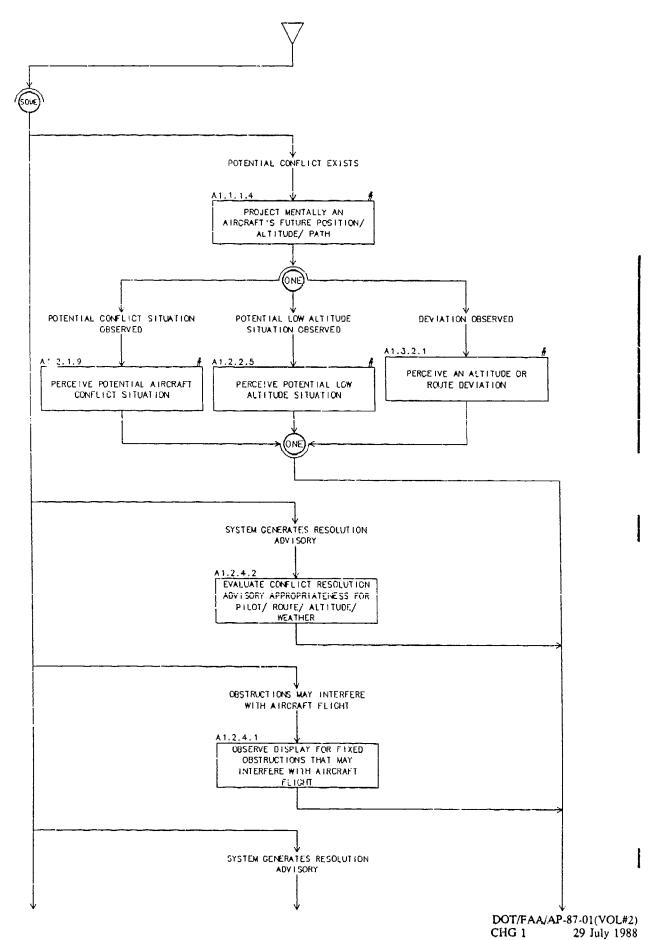


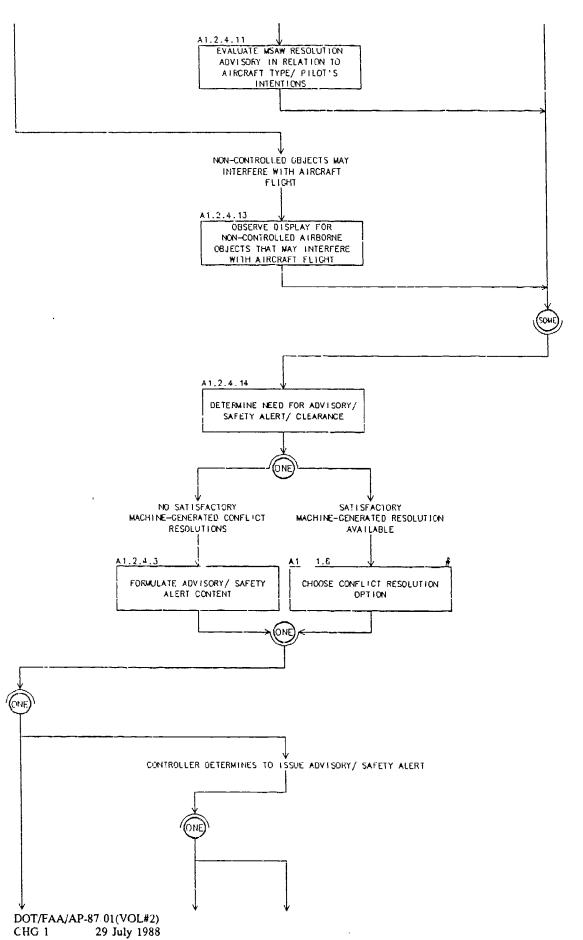


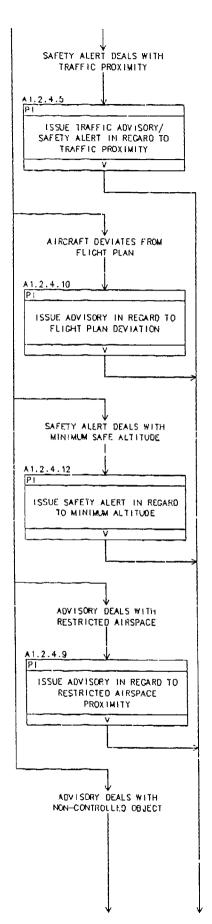


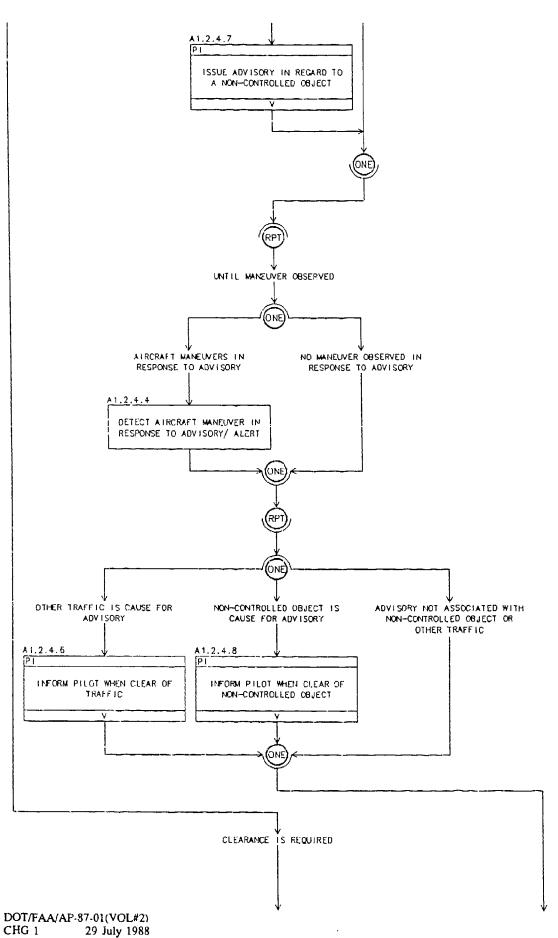
### A1.2.3 PERFORMING AIRSPACE CONFLICT PROCESSING (cont.)



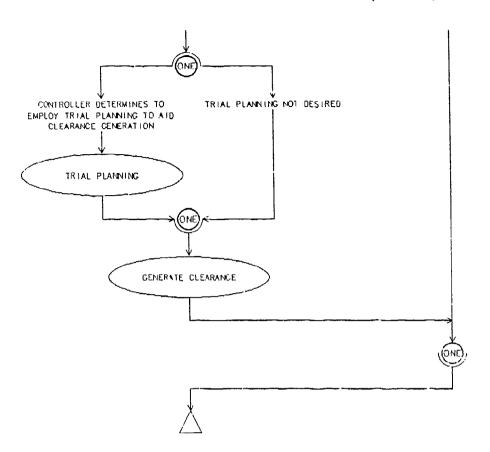


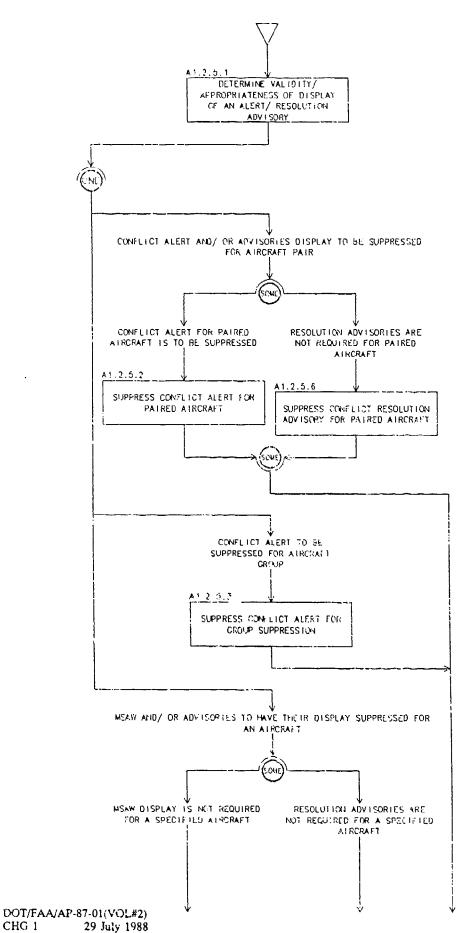






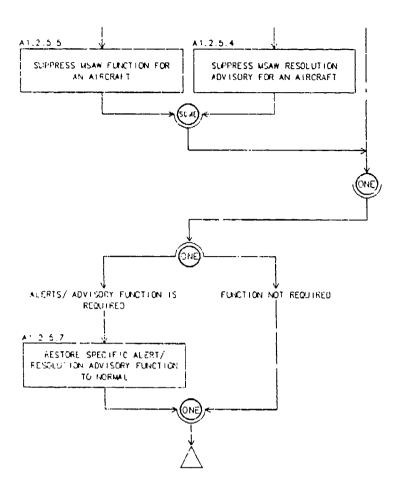
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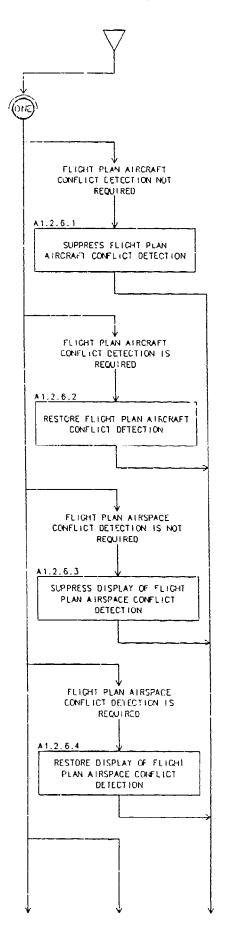


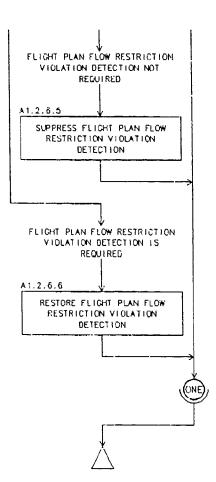


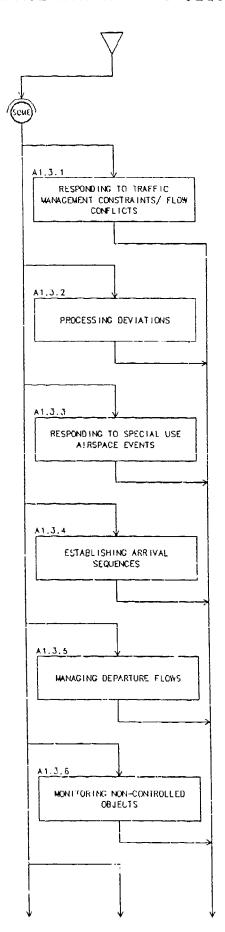
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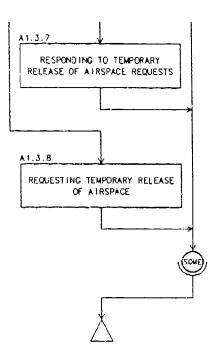
# A1.2.5 SUPPRESSING ALERTS/ RESOLUTION ADVISORIES (cont.)

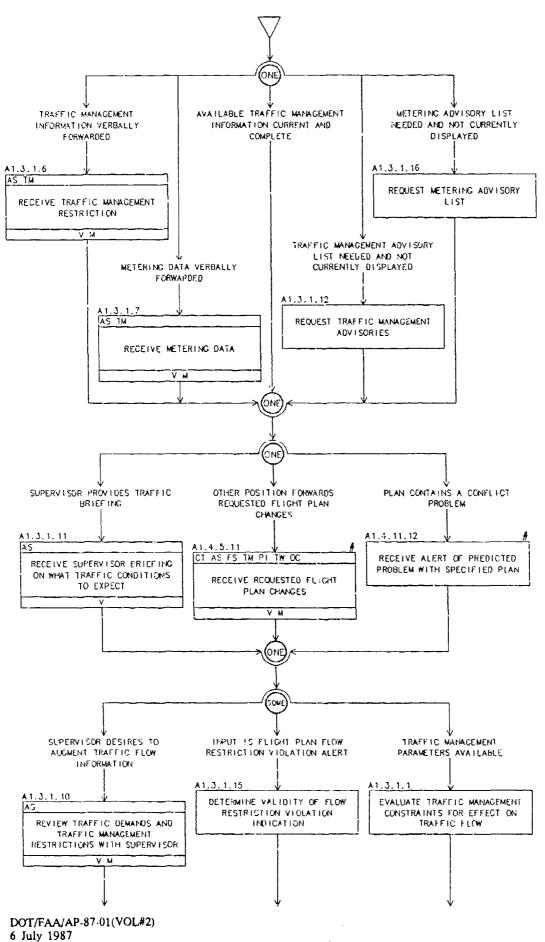


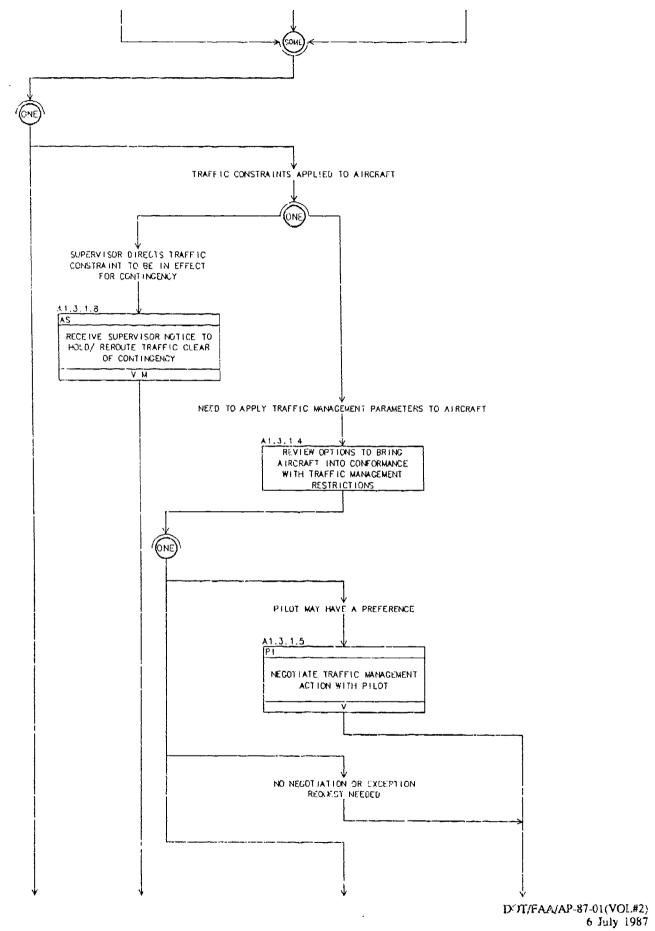


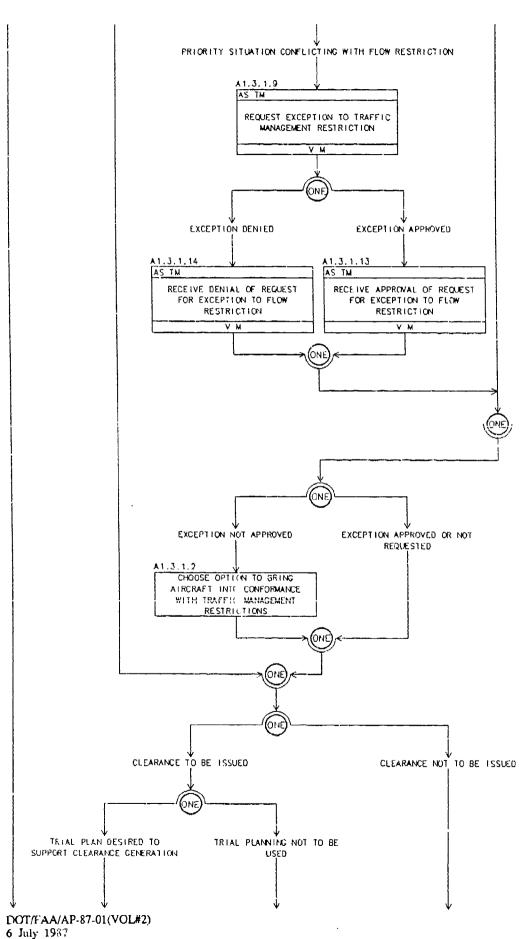


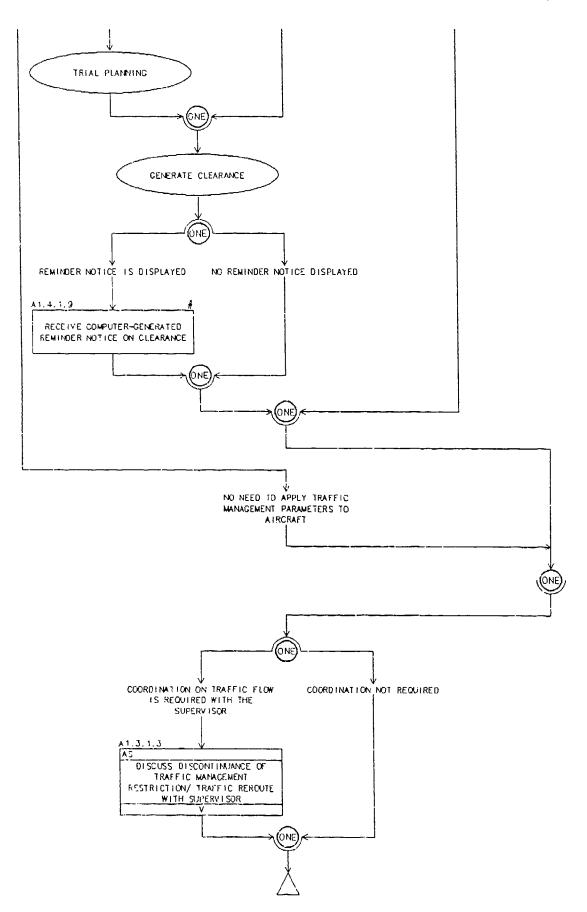


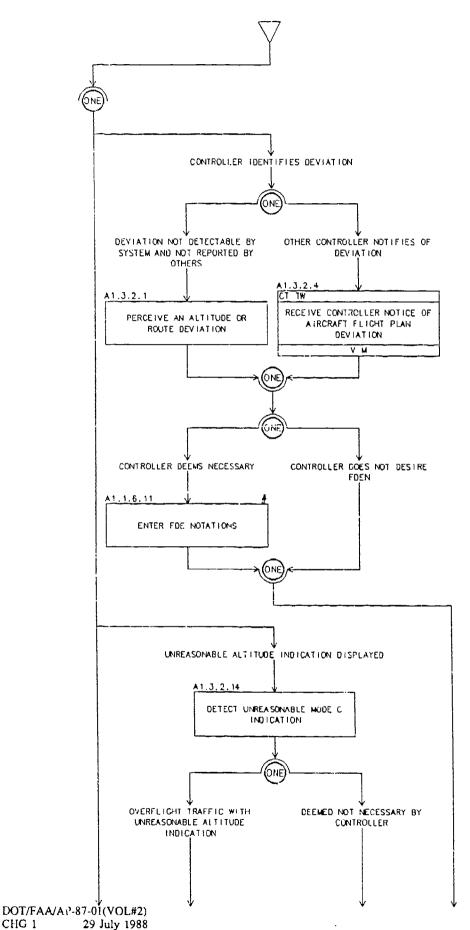








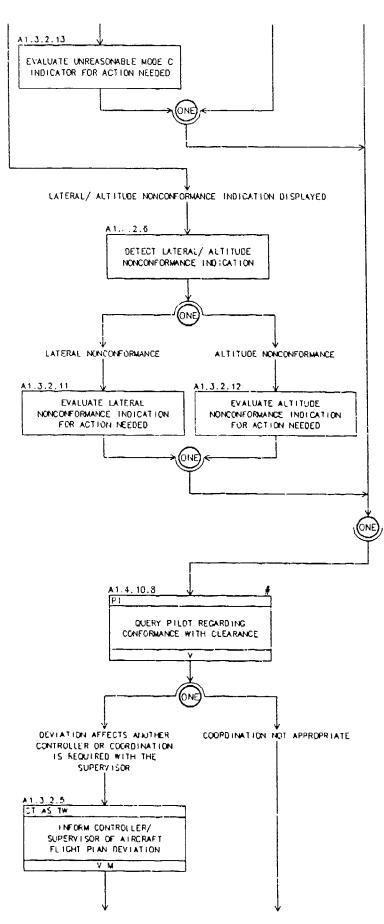




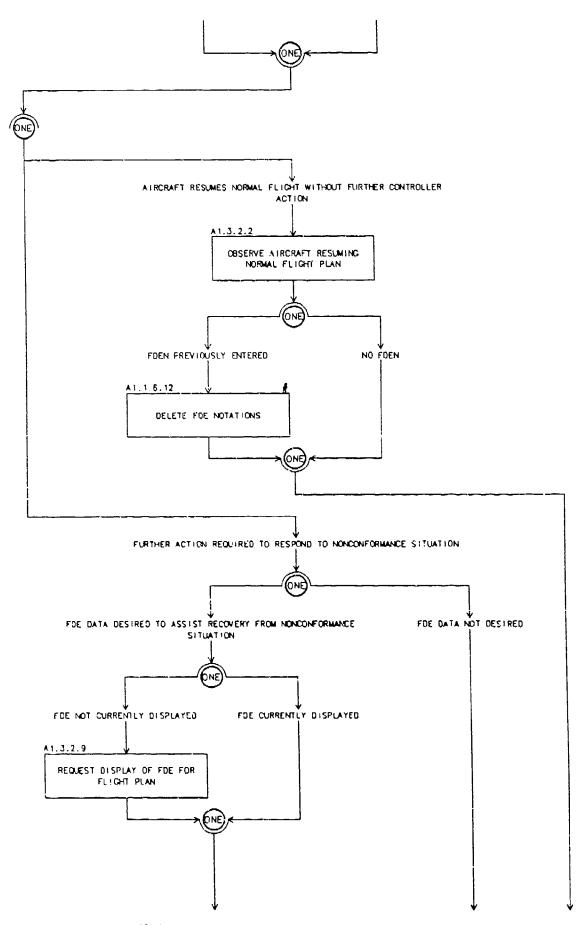
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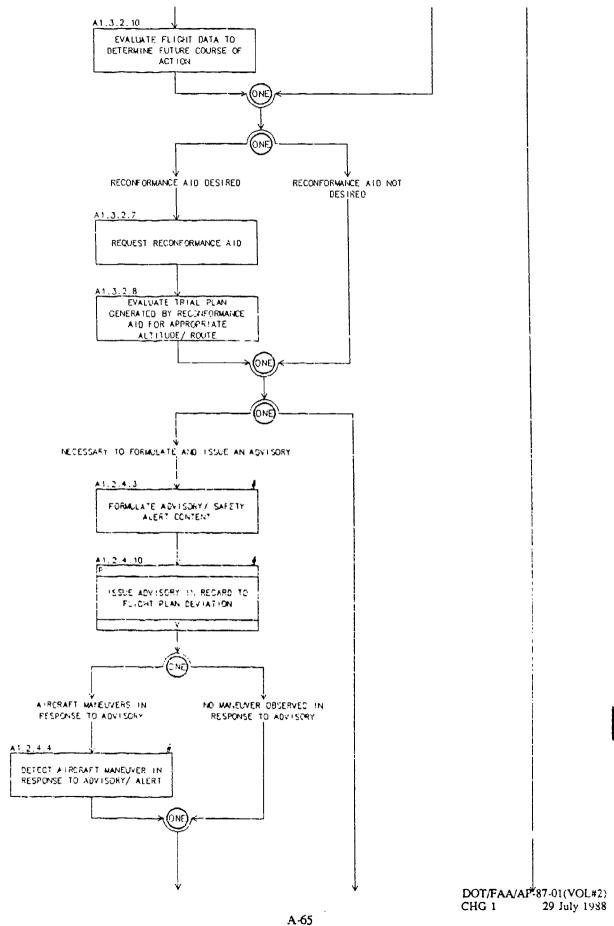
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# A1.3.2 PROCESSING DEVIATIONS (cont.)

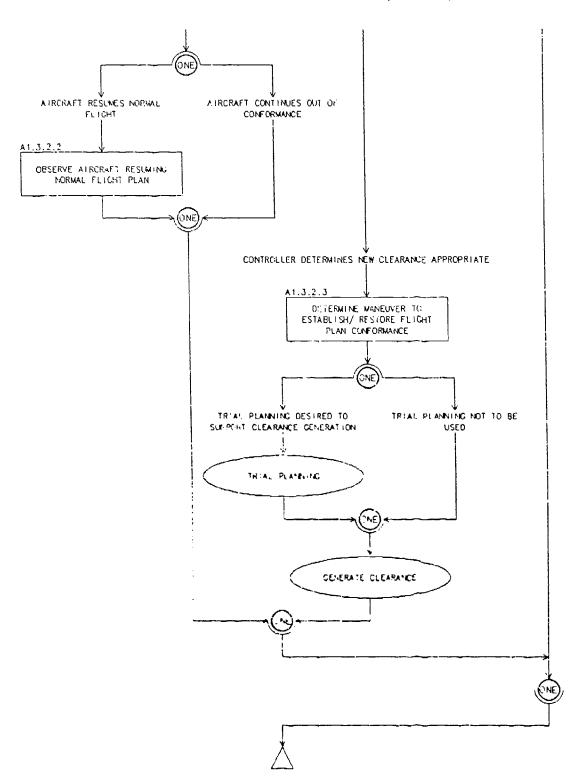


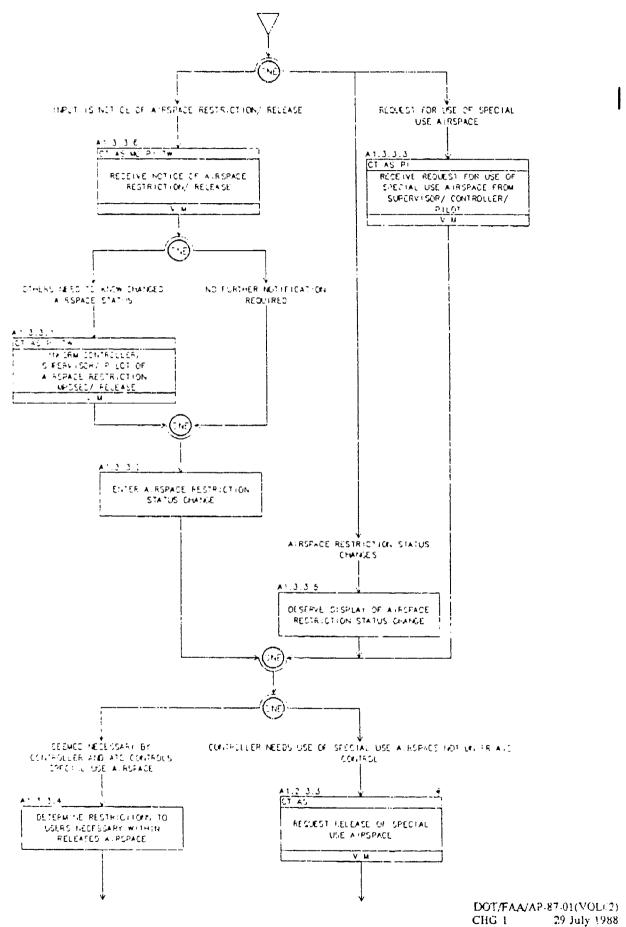
## A1.3.2 PROCESSING DEVIATIONS (cont.)

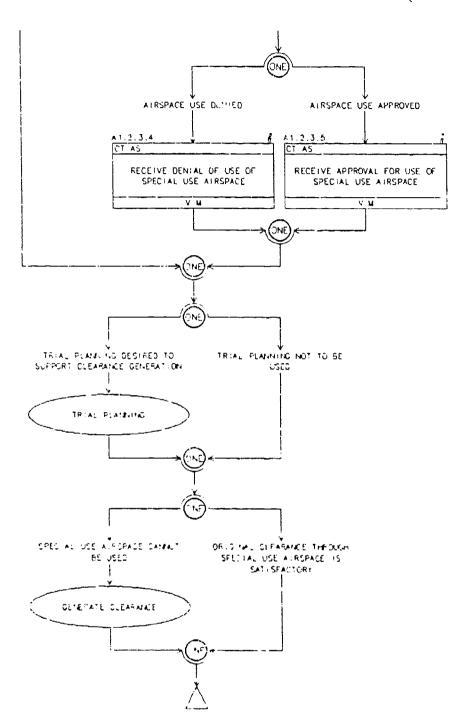


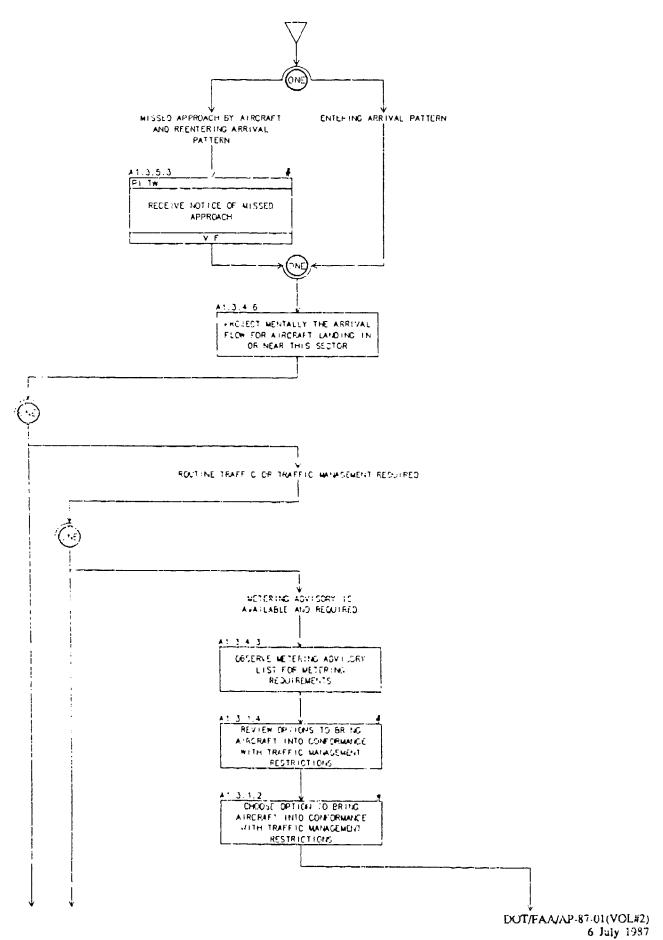


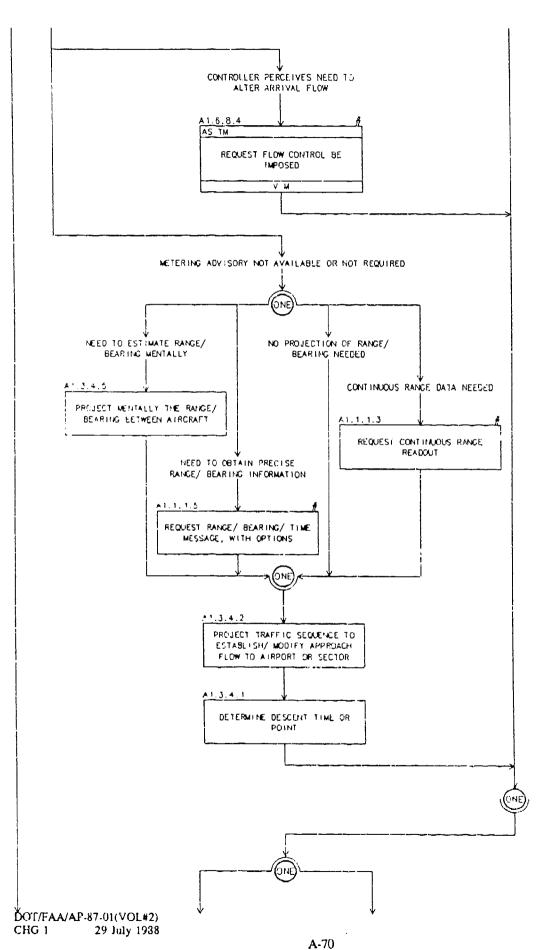
#### A1.3.2 PROCESSING DEVIATIONS (cont.)

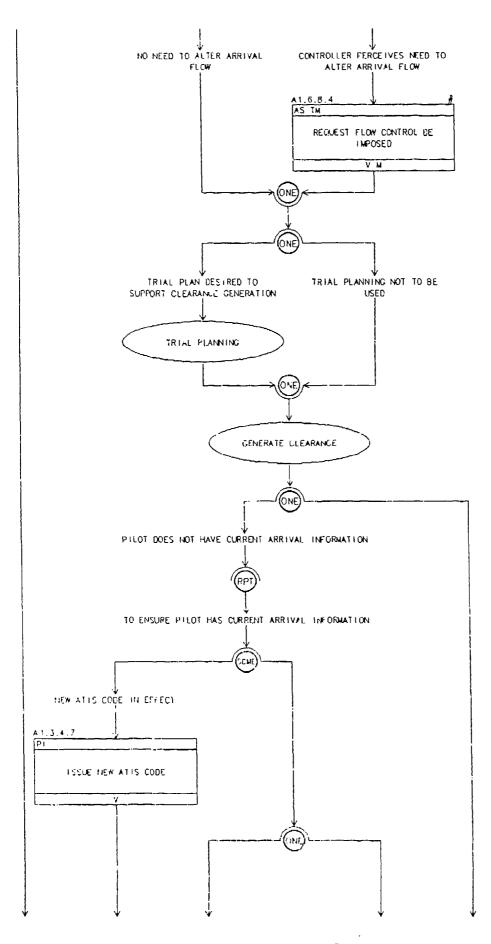




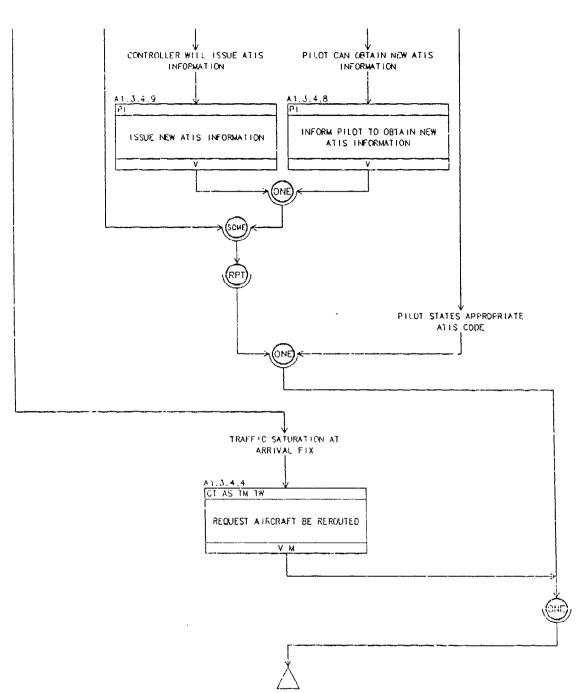




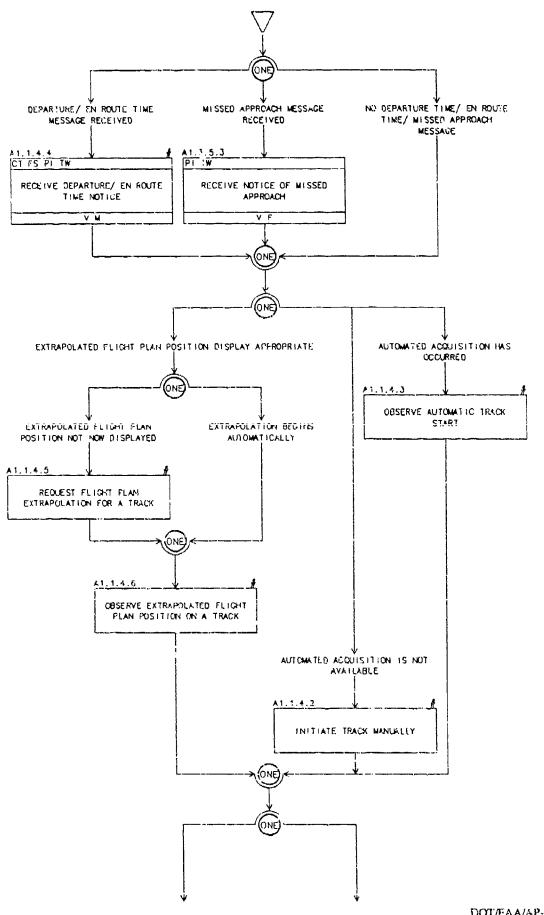




#### A1.3.4 ESTABLISHING ARRIVAL SEQUENCES (cont.)

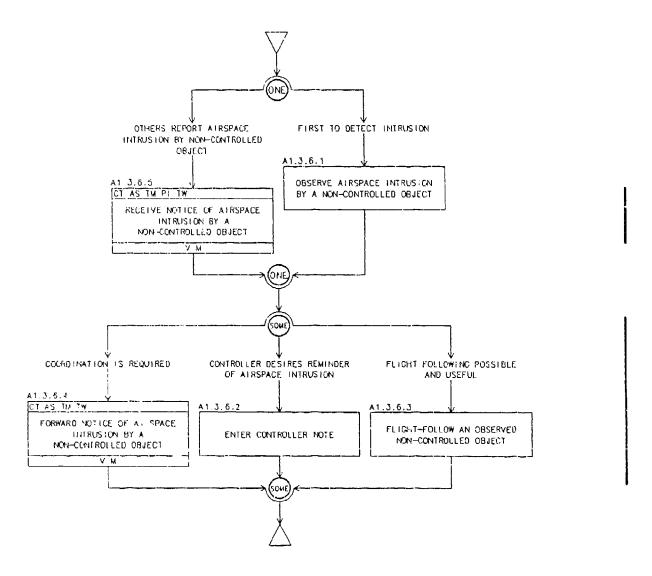


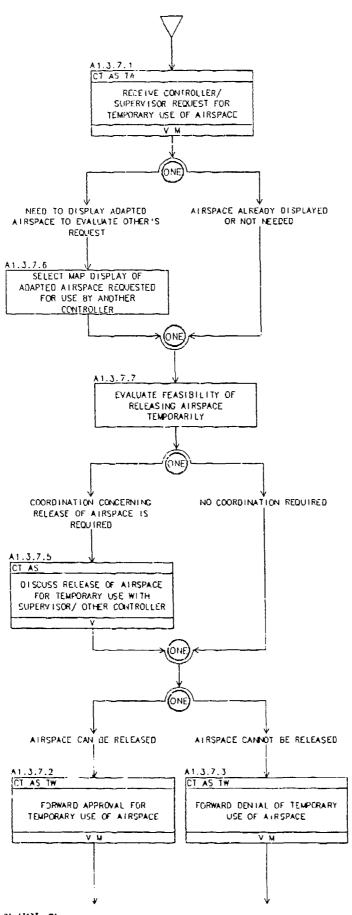
#### A1.3.5 MANAGING DEPARTURE FLOWS



# A1.3.5 MANAGING DEPARTURE FLOWS (cont.) FLIGHT PLAN HAS NOT BEEN A: IVATED BY AUTOMATION FLIGHT PLAN AUTOMATICALLY ACTIVATED A1.1.4.1 ENTER DEPARTURE/ EN ROUTE TIME MESSAGE RECEIVE INITIAL RADIO CONTACT FROM PILUT NON-RADAR PROCEDURES A1.1.6.11 ENTER FOE NOTATIONS RADAR PROCEDURES MODE C NOT AVAILABLE MODE C AVAILABLE AND HAS NOT BEEN VALIDATED A1.3.5.1 VALIDATE MODE C AUTITUDE NEED TO ENTER REPORTED NO NEED TO ENTER REPORTED ALTITUDE ALTHUSE A1.3.5.2 ENTER REPORTED ALTITUDE A1.3.3.4

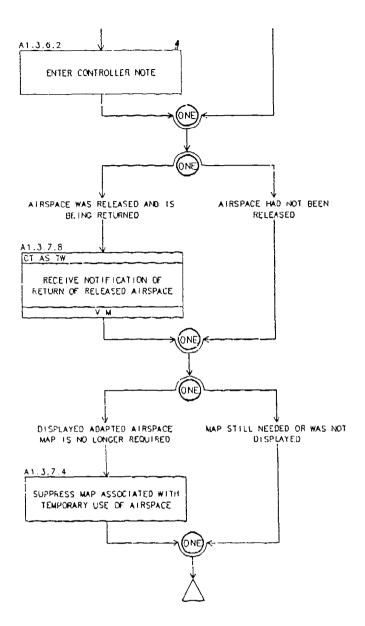
PROJECT TRAFFIC SEQUENCE TO ES'ABLISH/ MODIFY OSPARTURE FLOW

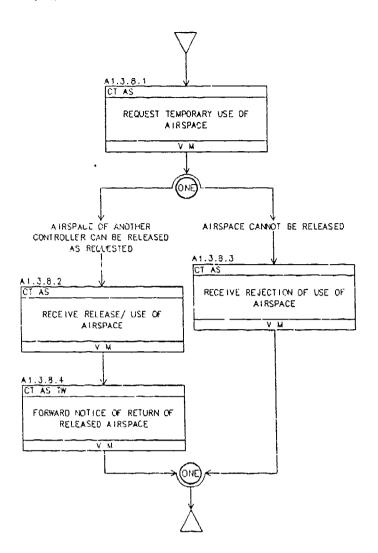


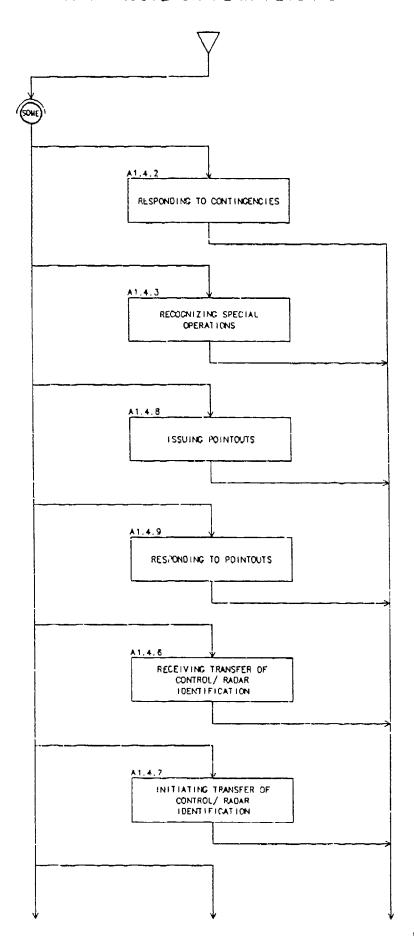


DOT/FAA AP-87-01(VOL#2) 6 July 19 7

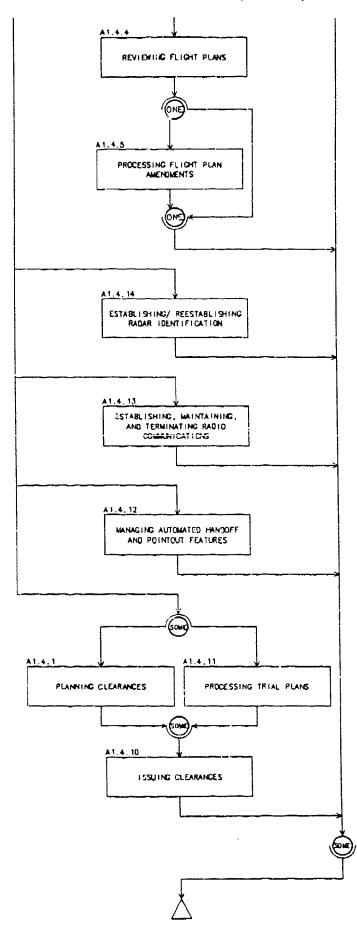
#### A1.3.7 RESPONDING TO TEMPORARY RELEASE OF AIRSPACE REQUESTS (cont.)

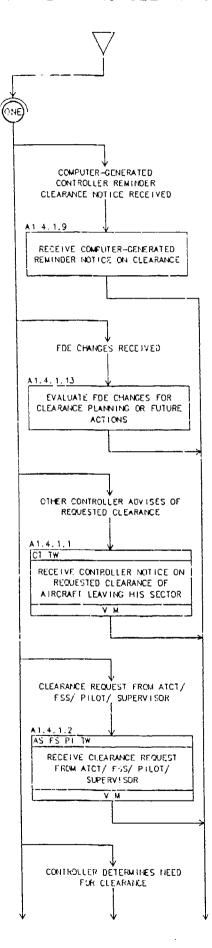


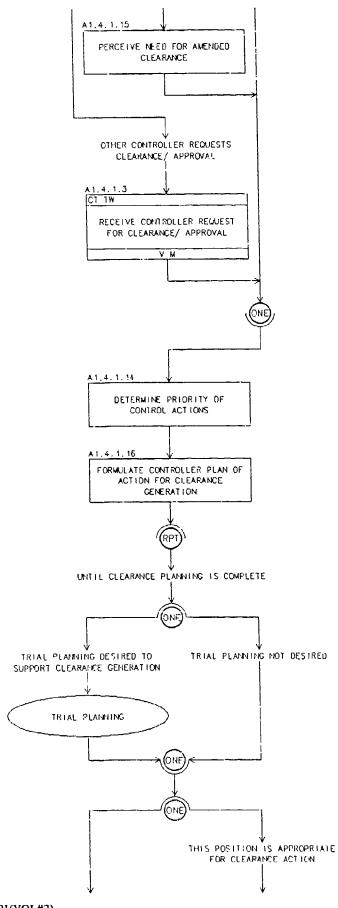




## A1.4 ROUTE OR PLAN FLIGHTS (cont.)

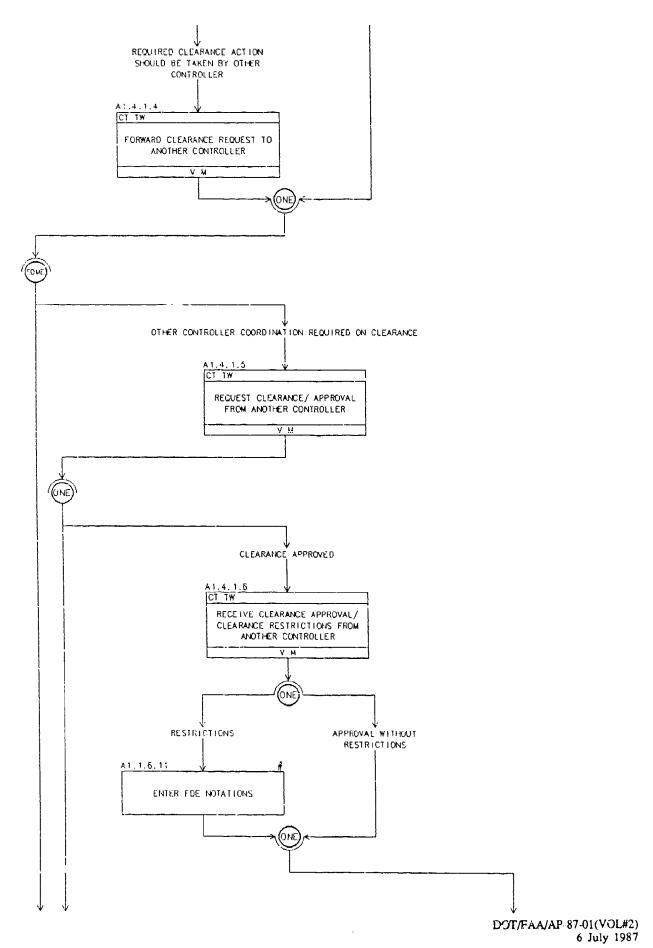


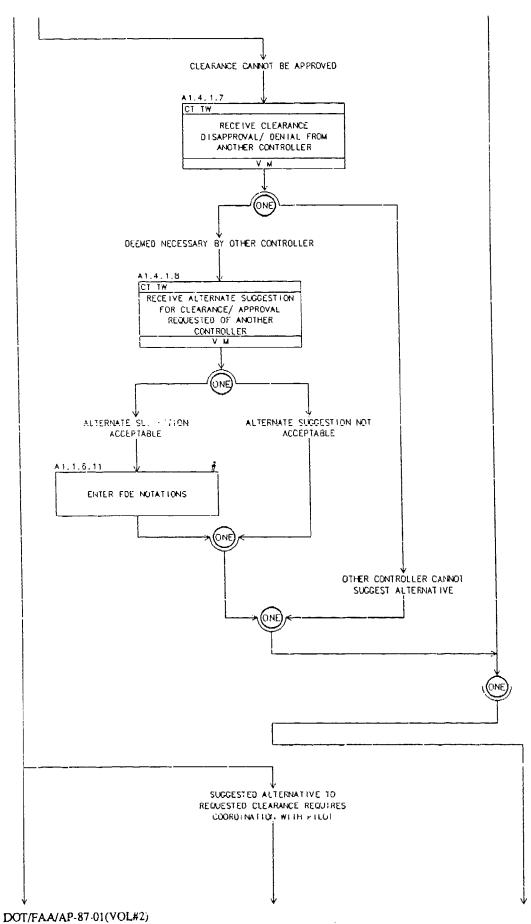




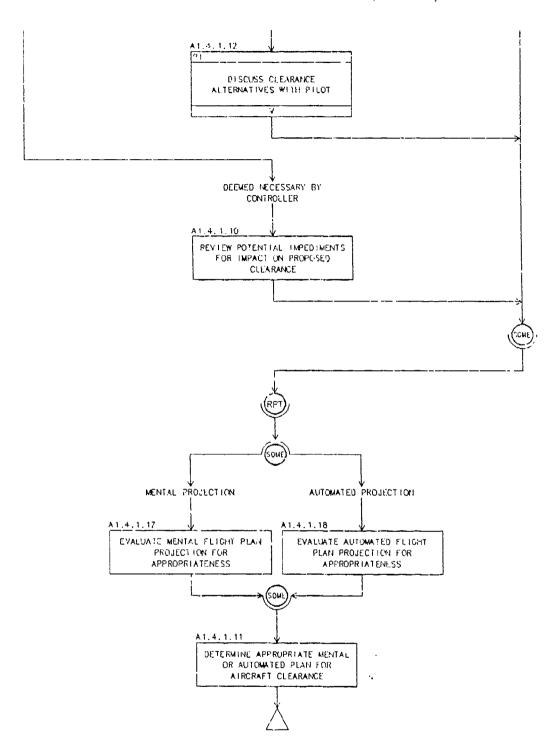
DOT/FAA/AP-87-01(VOL#2) 6 July 1987

## A1.4.1 PLANNING CLEARANCES (cont.)

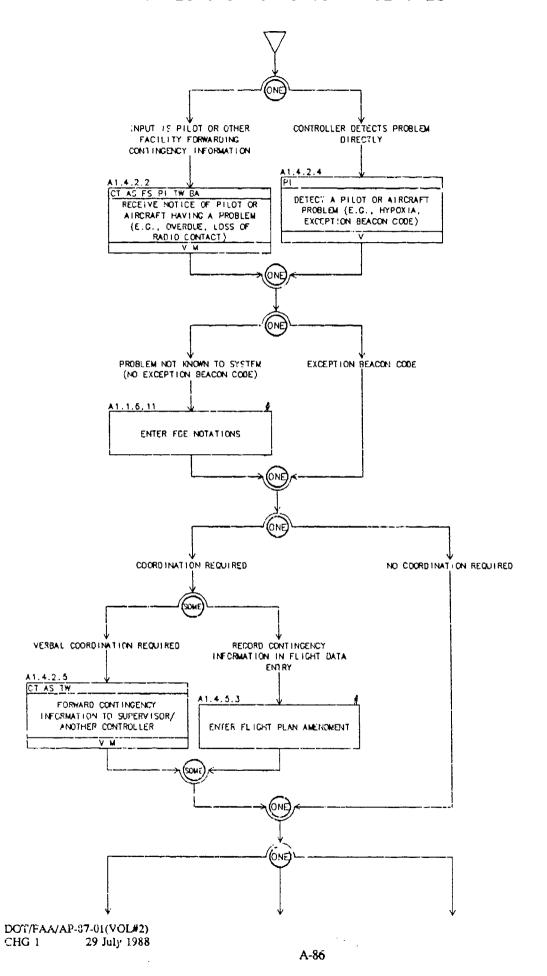




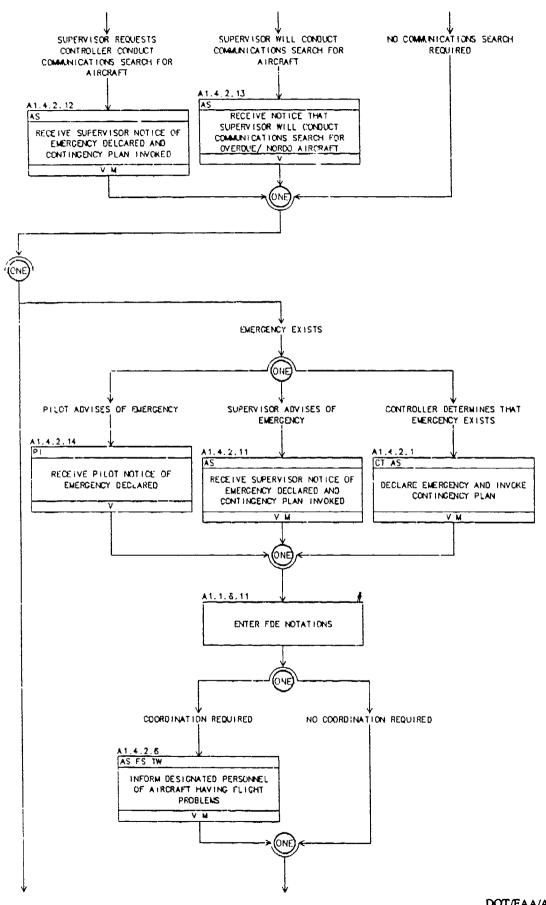
## A1.4.1 PLANNING CLEARANCES (cont.)



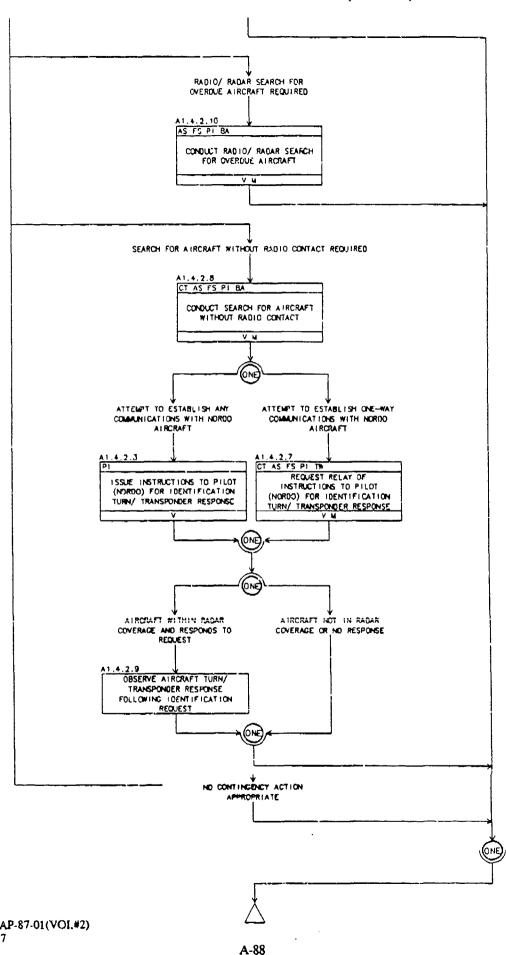
#### A1.4.2 RESPONDING TO CONTINGENCIES

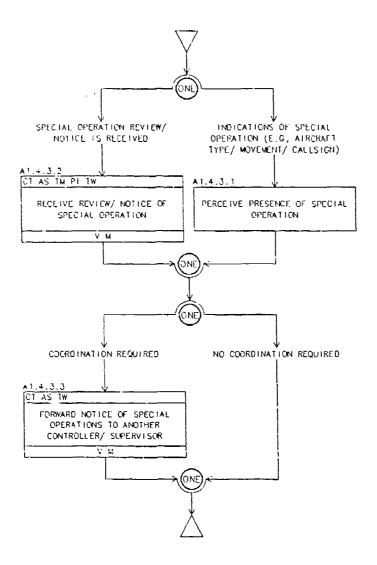


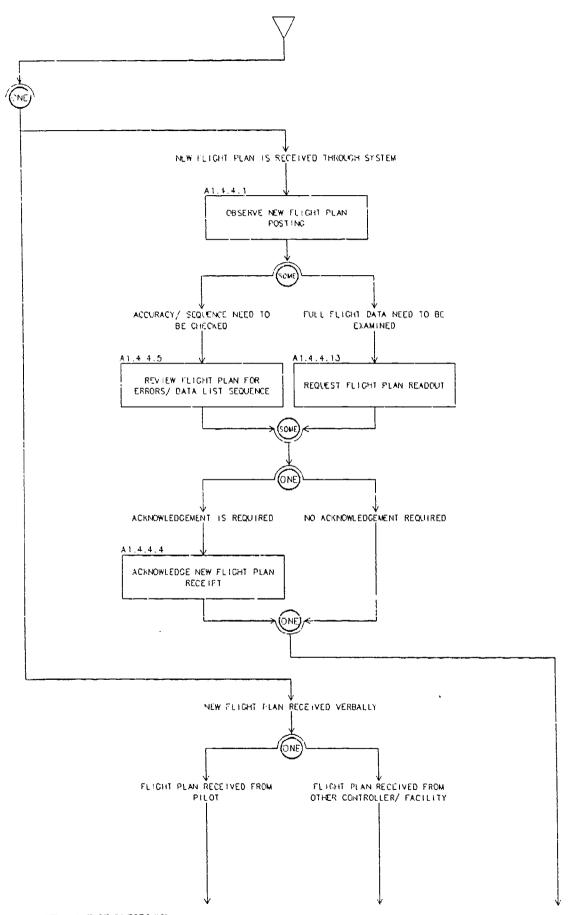
#### A1.4.2 RESPONDING TO CONTINGENCIES (cont.)



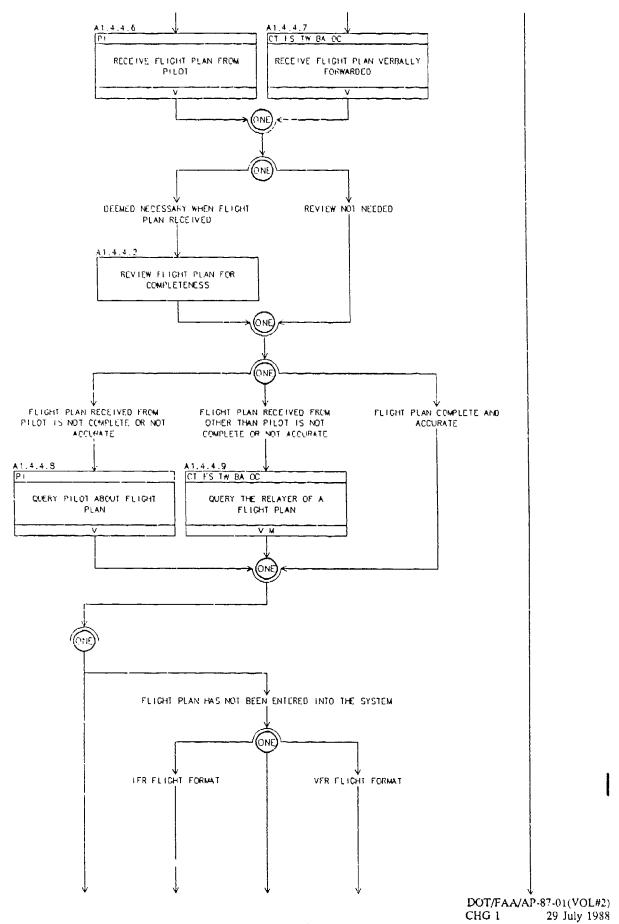
## A1.4.2 RESPONDING TO CONTINGENCIES (cont.)

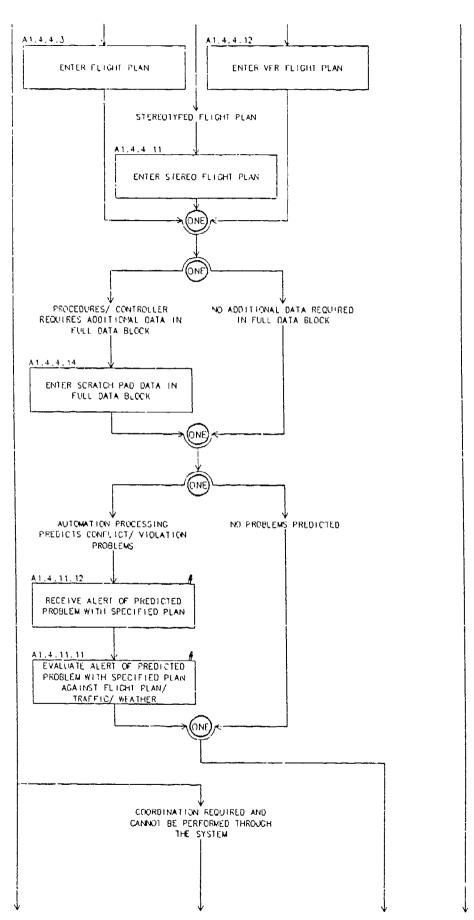




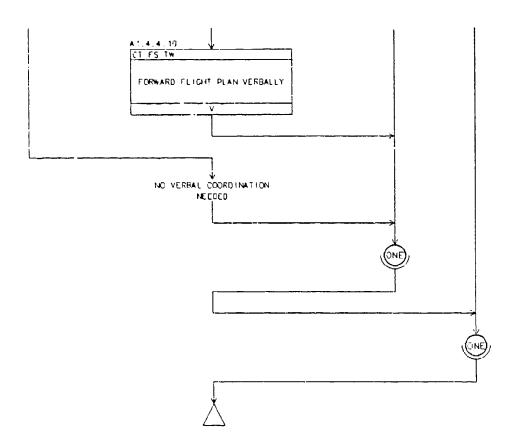


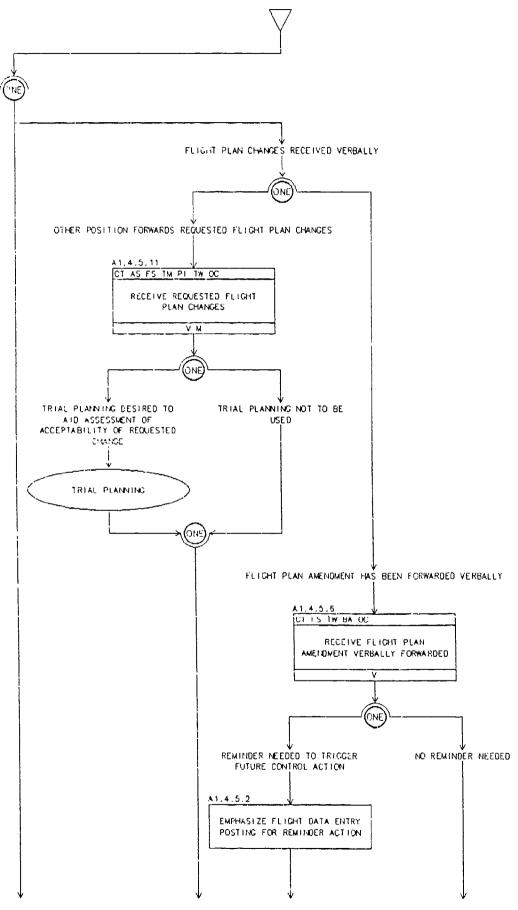
DOT/FAA/AP-87-01(VOL#2) 6 July 1987



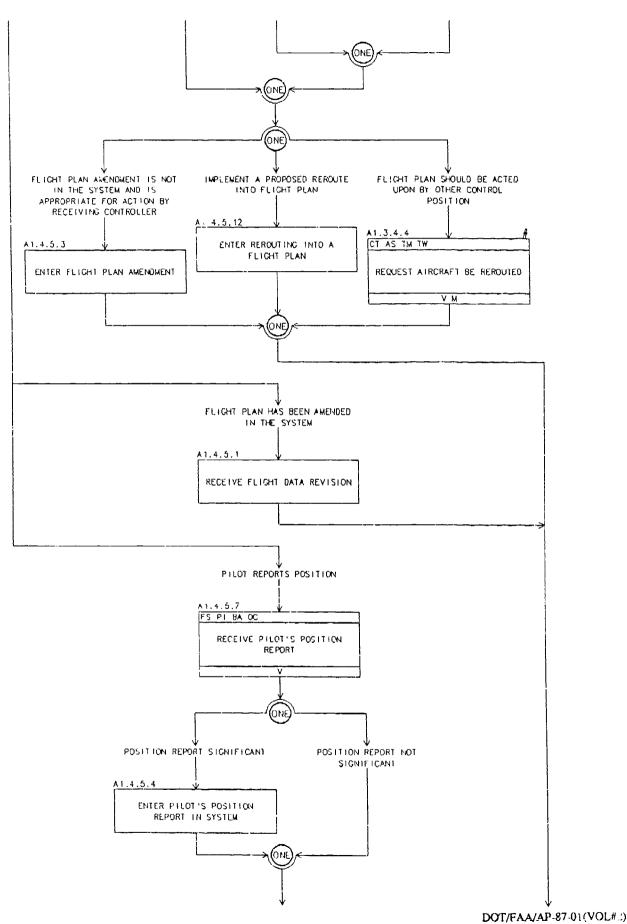


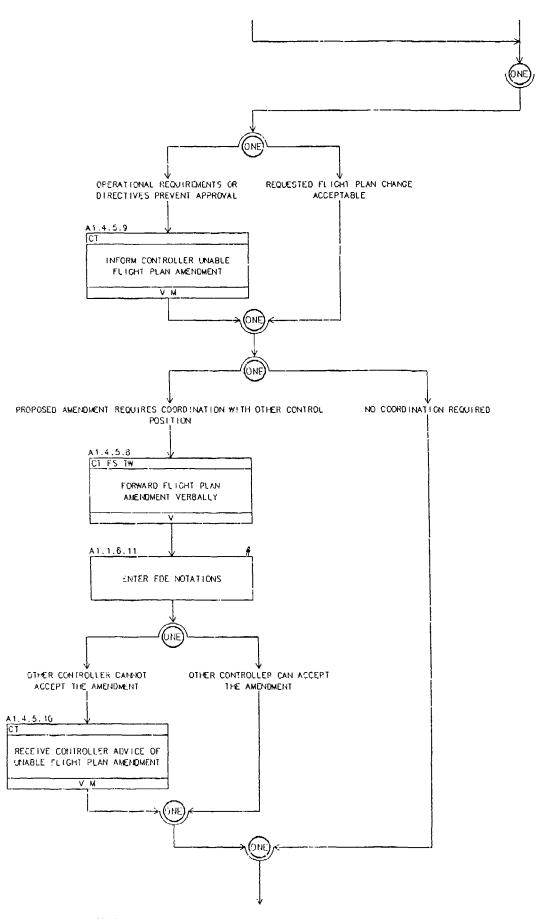
### A1.4.4 REVIEWING FLIGHT PLANS (cont.)



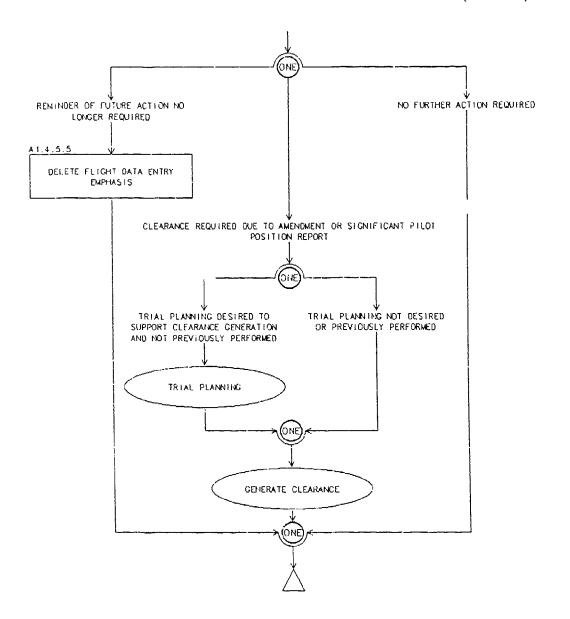


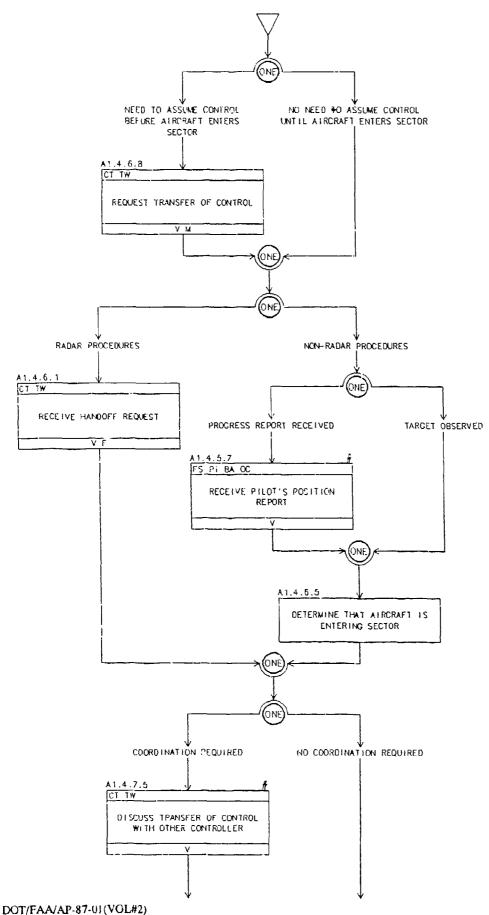
DOT/FAA/AP-87-01(VOL#2) 6 July 1987



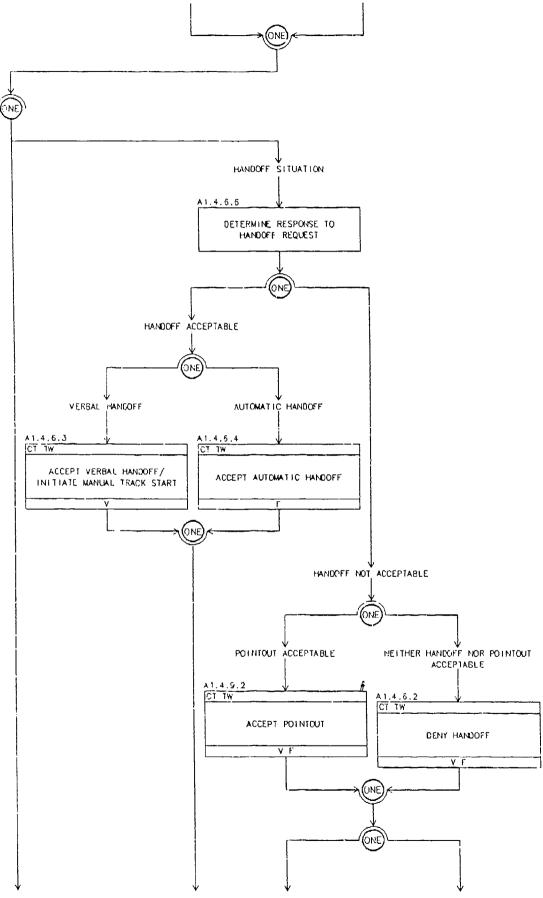


#### A1.4.5 PROCESSING FLIGHT PLAN AMENDMENTS (cont.)

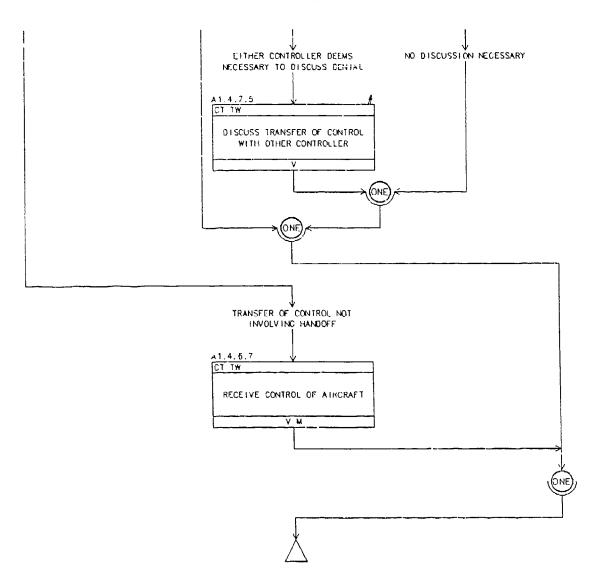


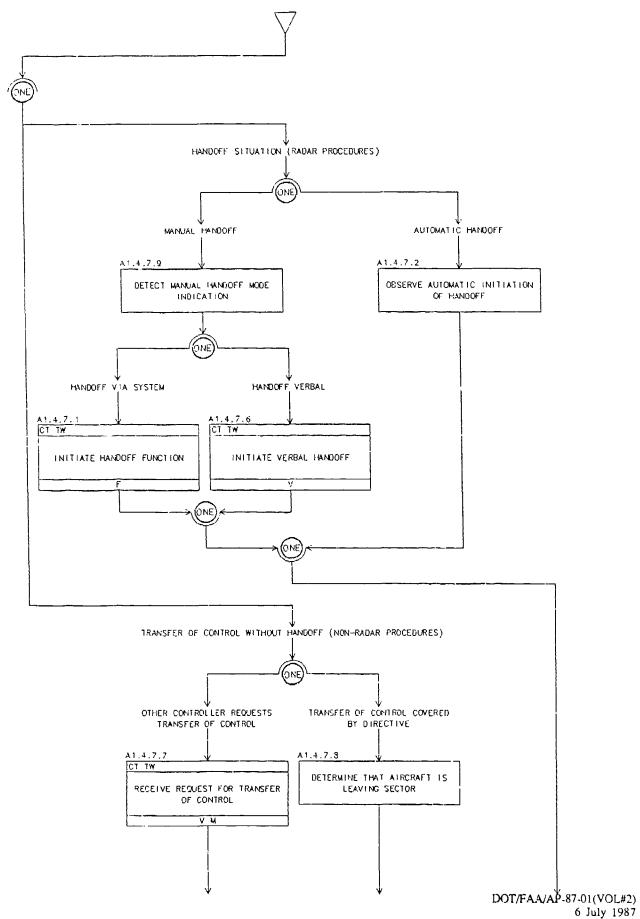


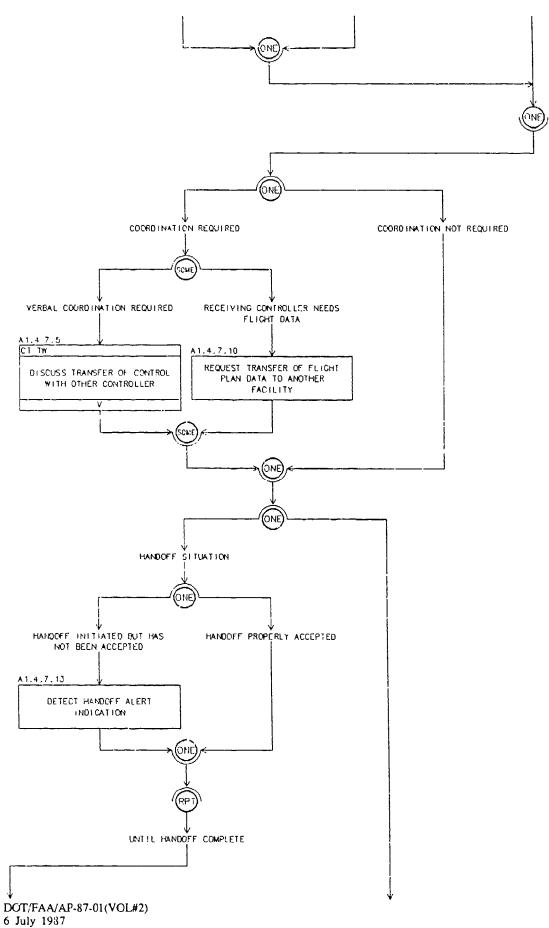
6 July 1987

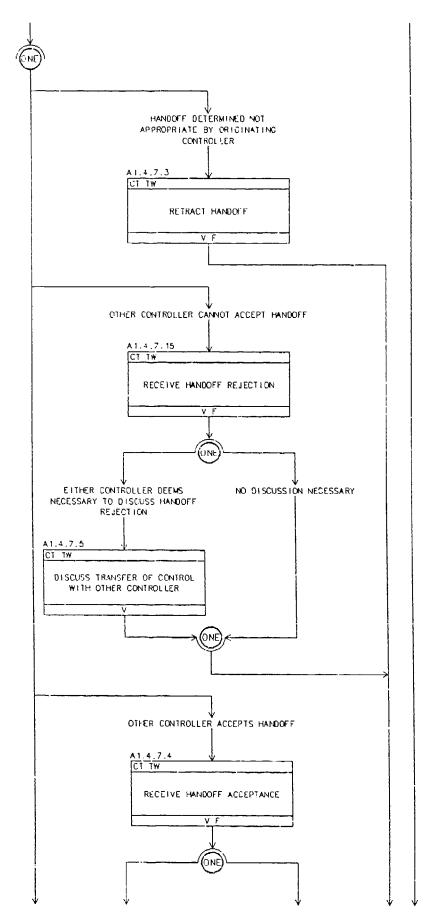


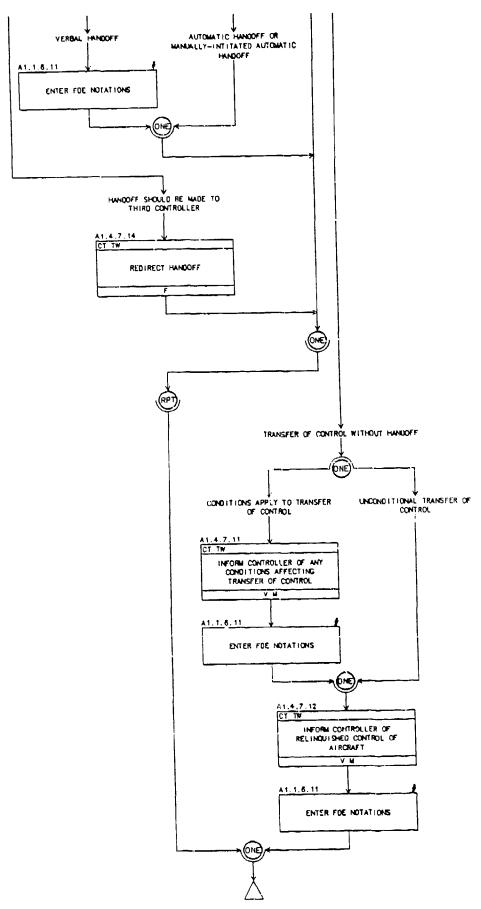
# A1.4.6 RECEIVING TRANSFER OF CONTROL/ RADAR IDENTIFICATION (cont.)

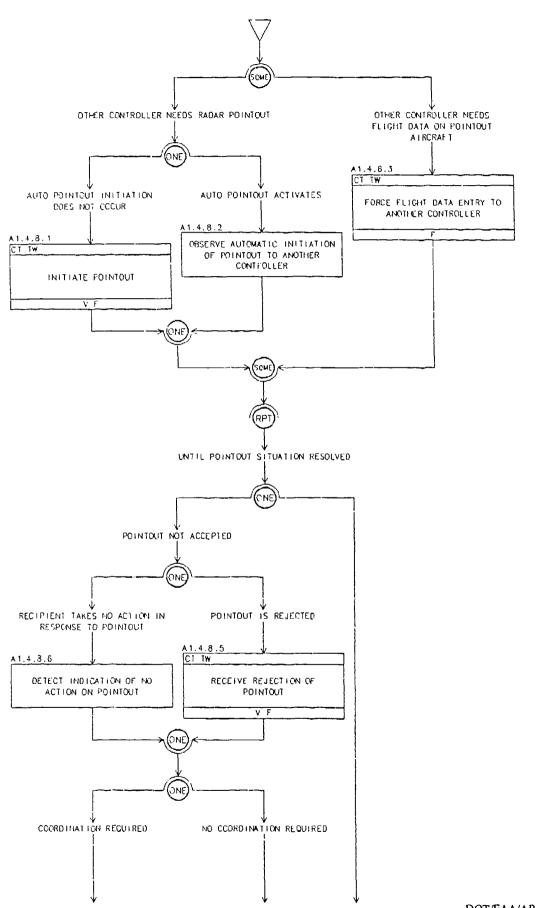




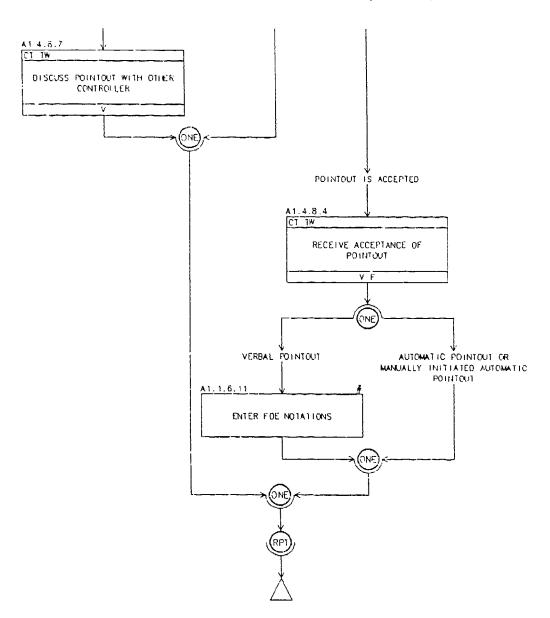


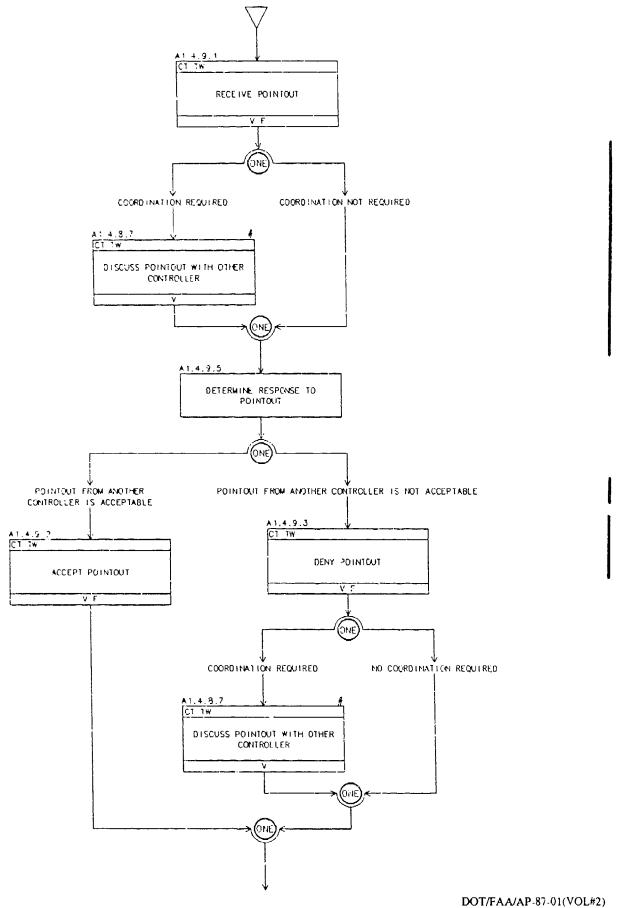




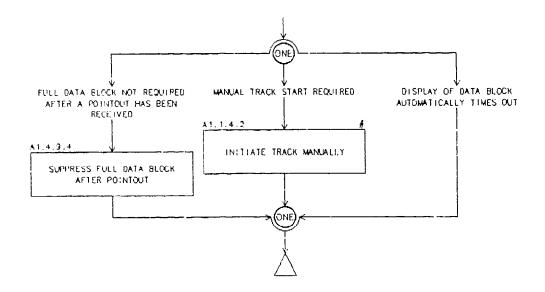


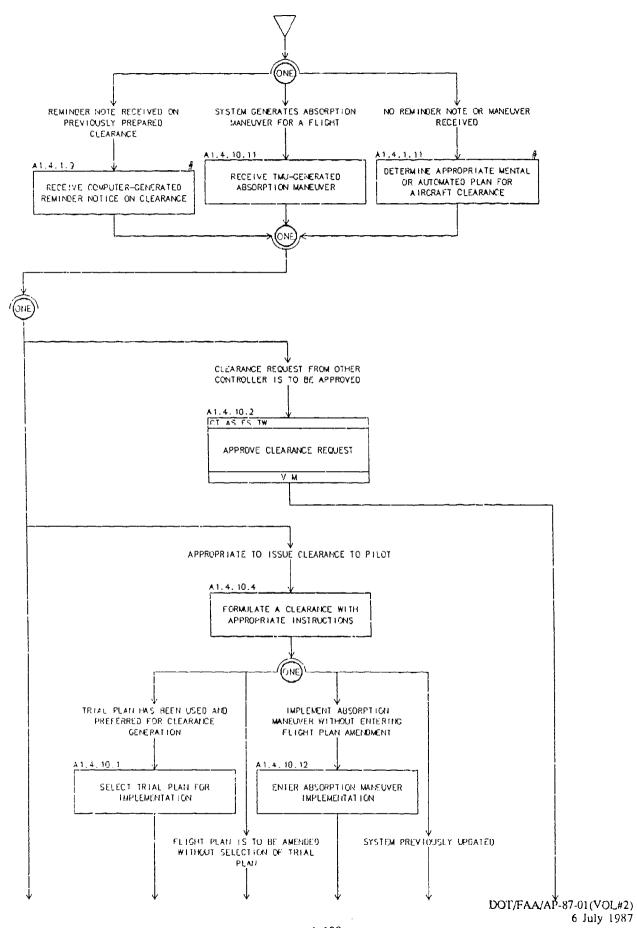
# A1.4.8 ISSUING POINTOUTS (cont.)

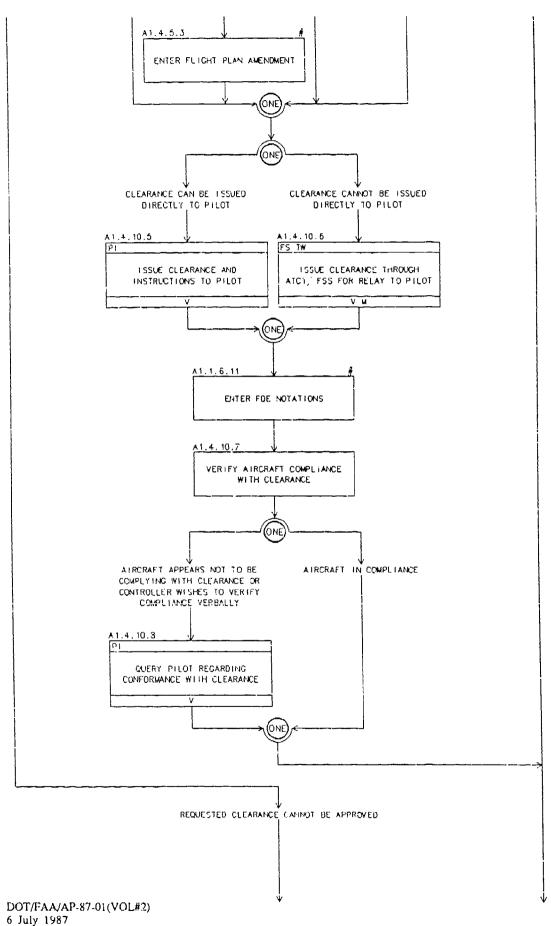




# A1.4.9 RESPONDING TO POINTOUTS (cont.)

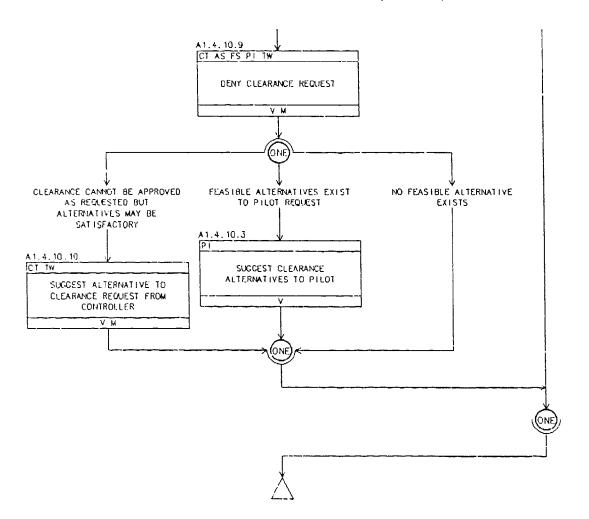


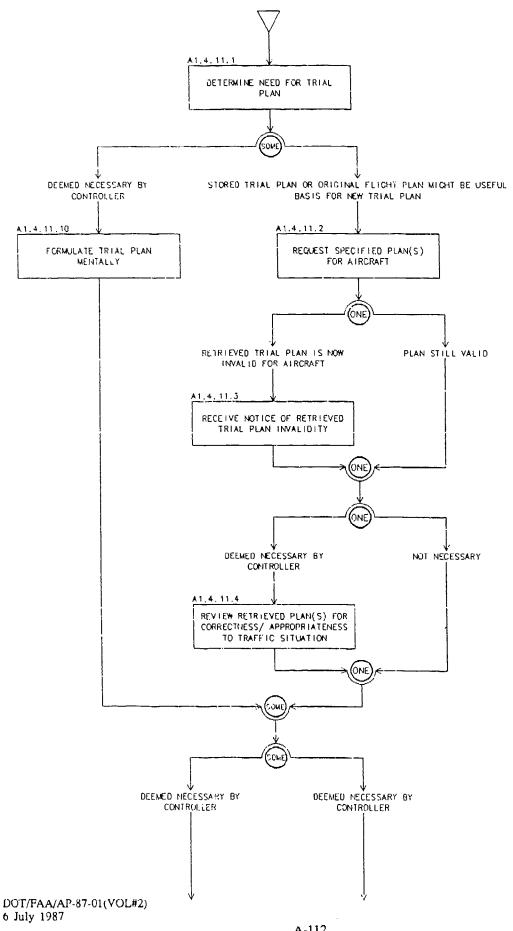




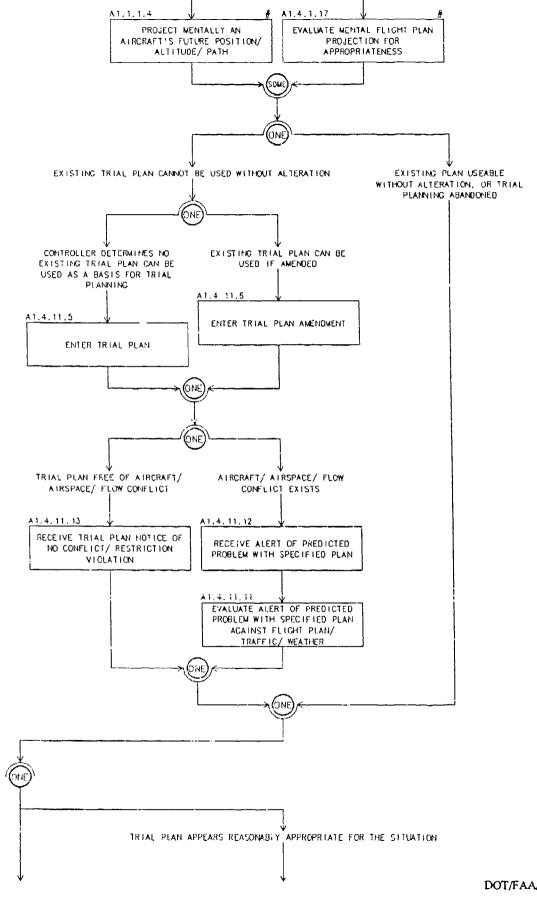
A-110

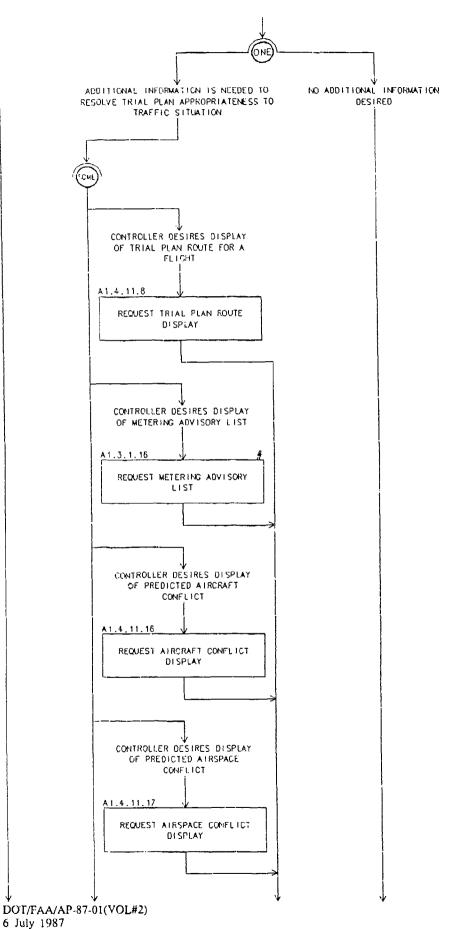
#### A1.4.10 ISSUING CLEARANCES (cont.)

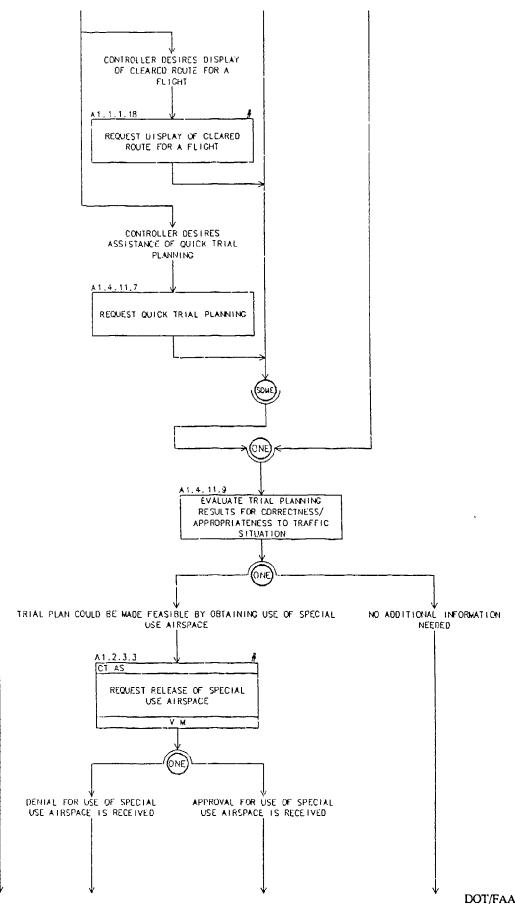




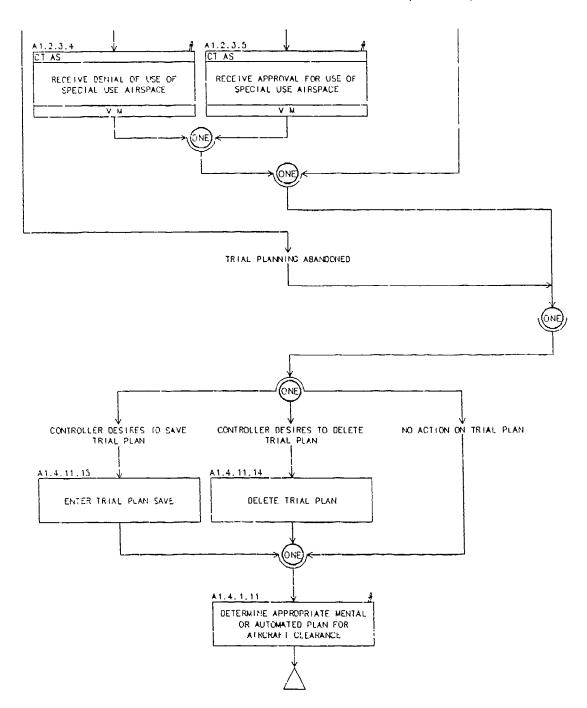
AT. 4. TE PROCESSING TRIAL PLANS (CONT.)

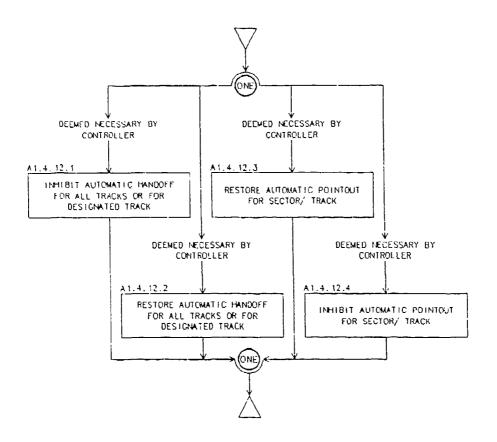


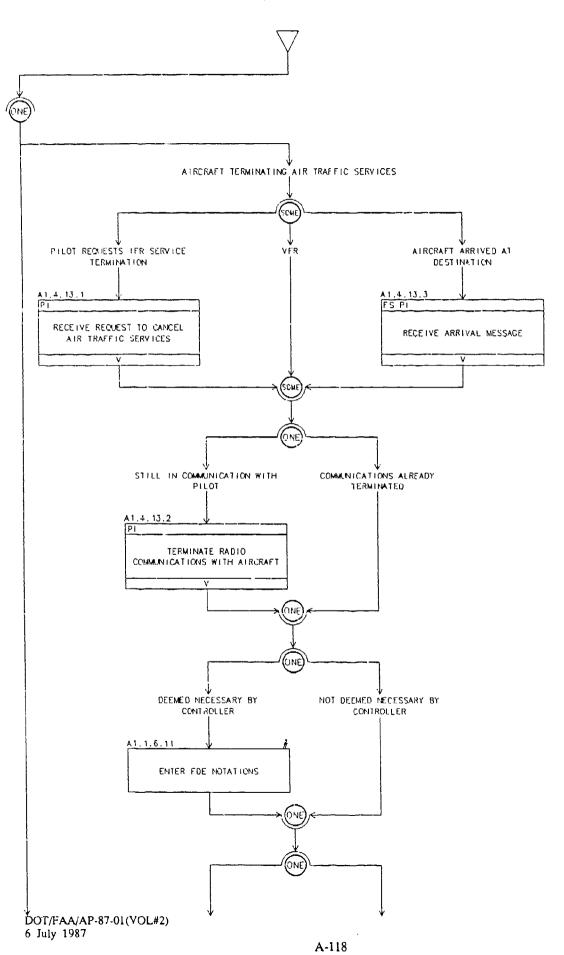


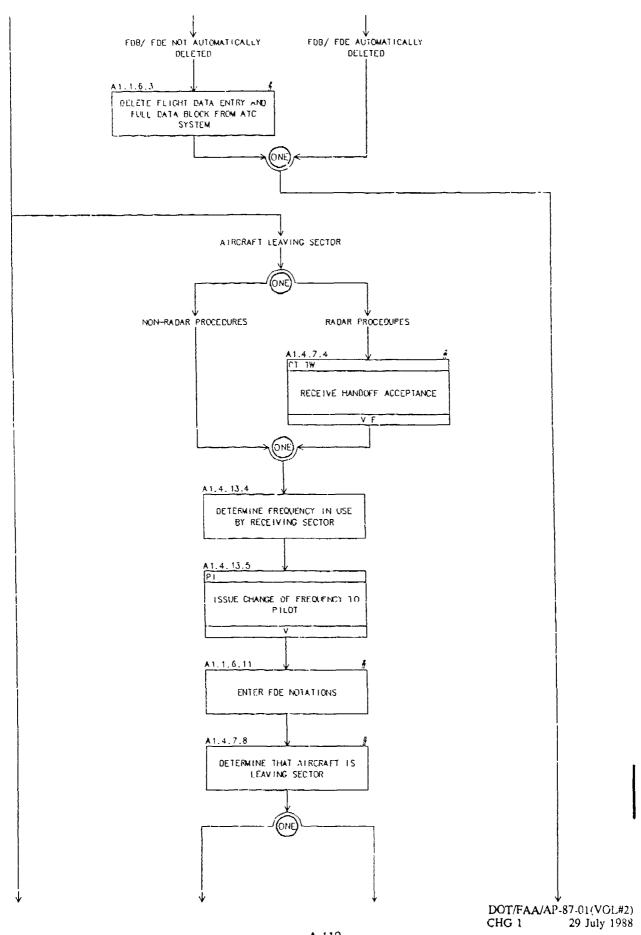


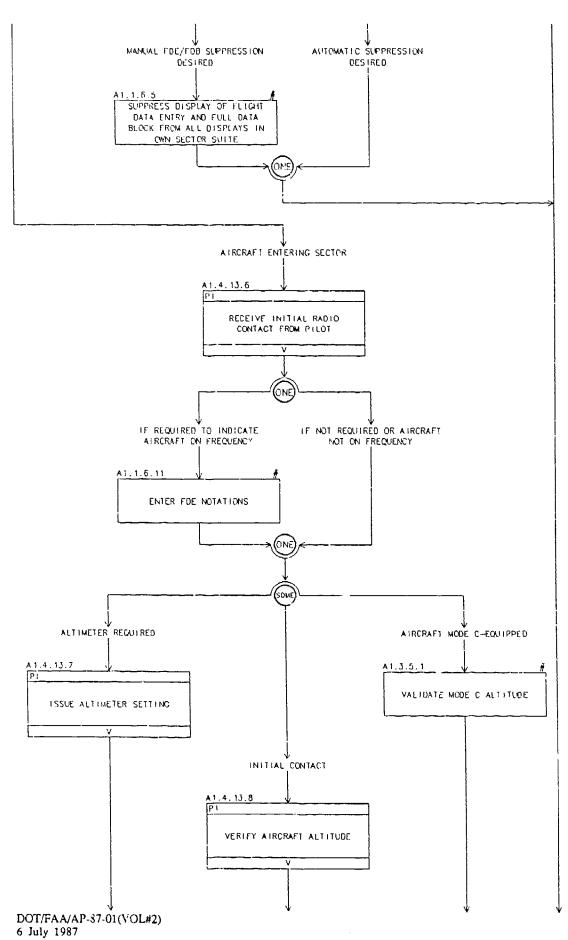
#### A1.4.11 PROCESSING TRIAL PLANS (cont.)

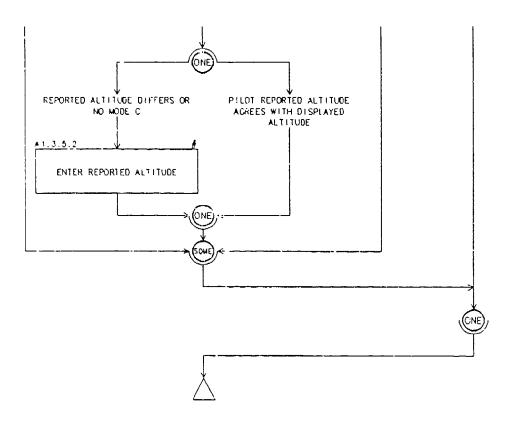


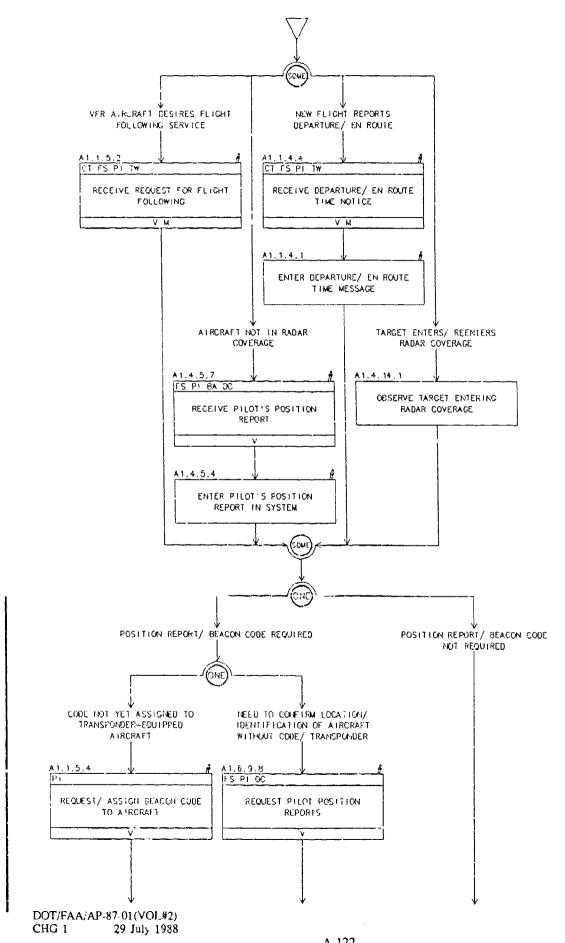


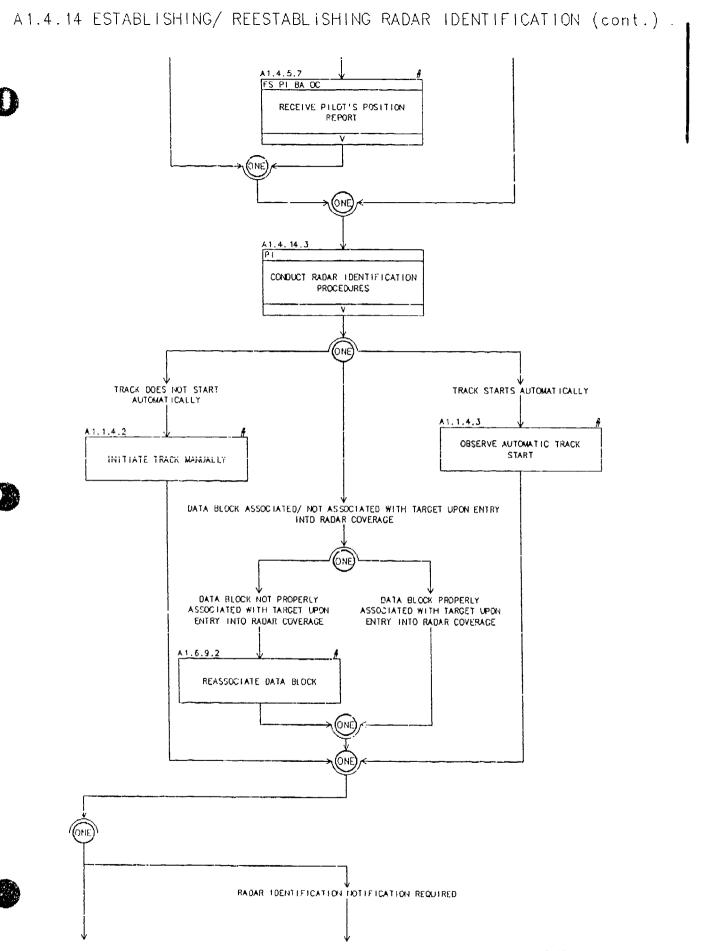


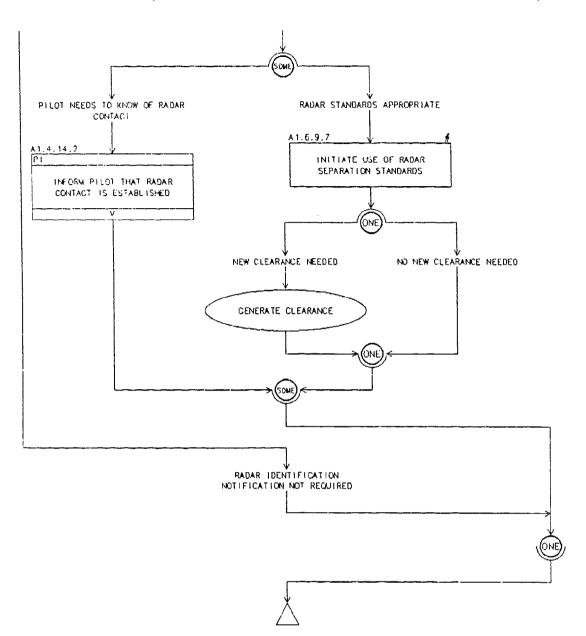


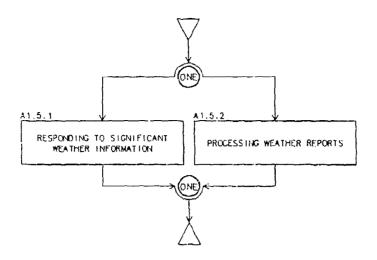


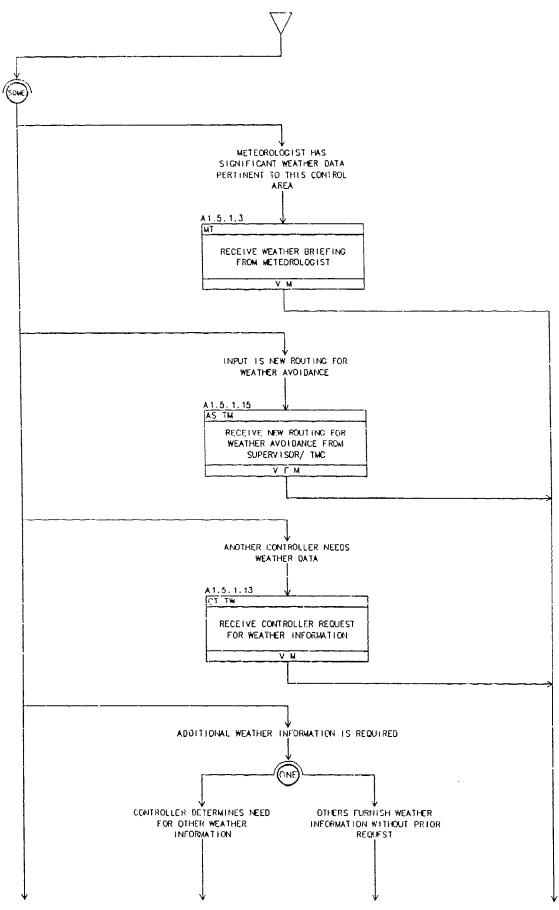


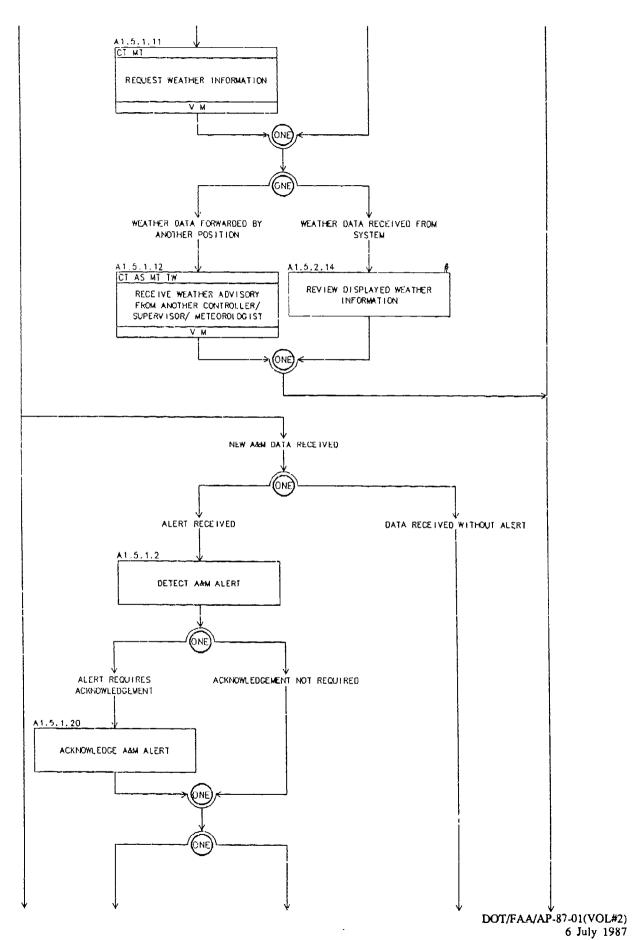


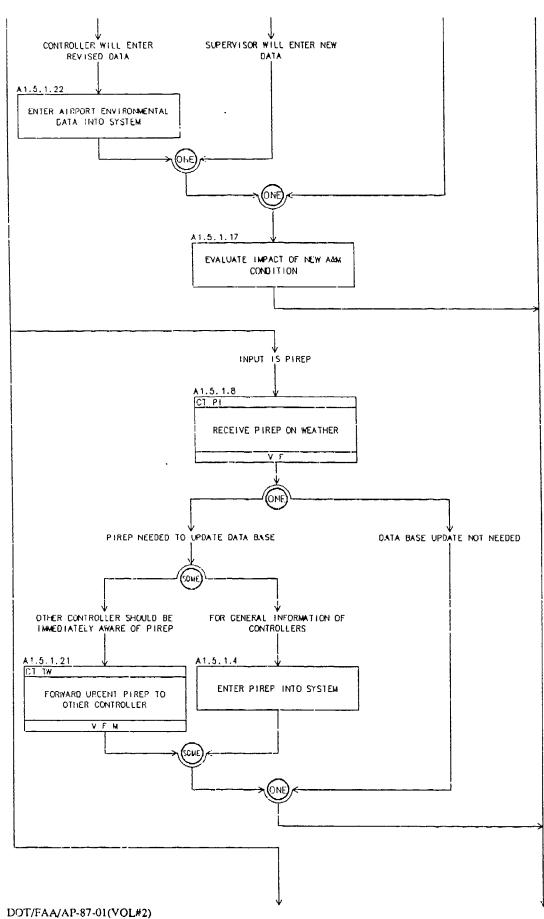


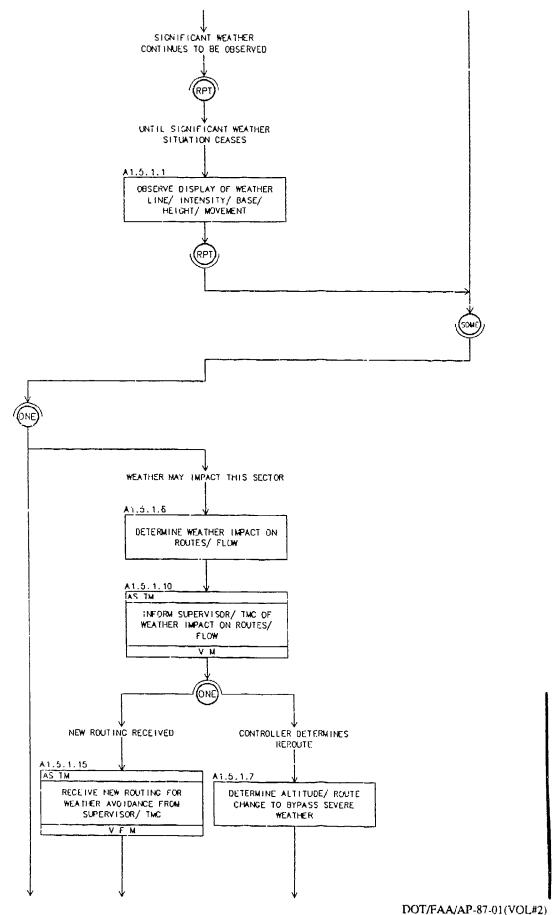


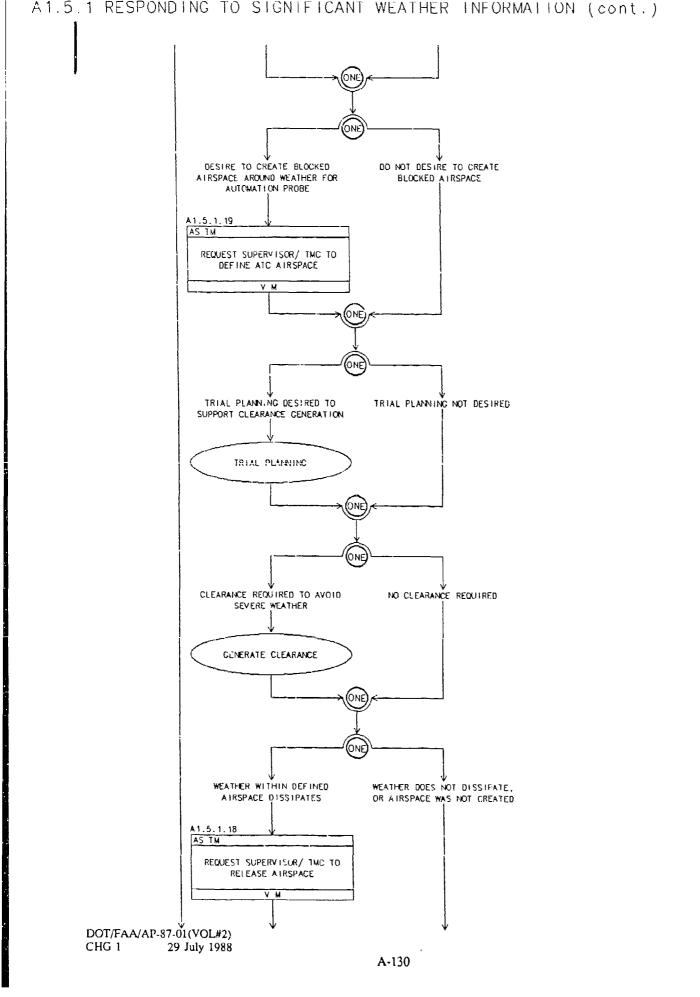


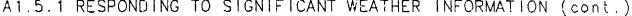


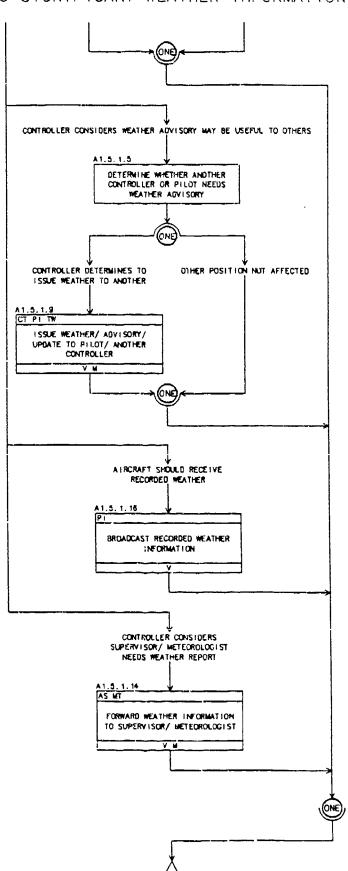


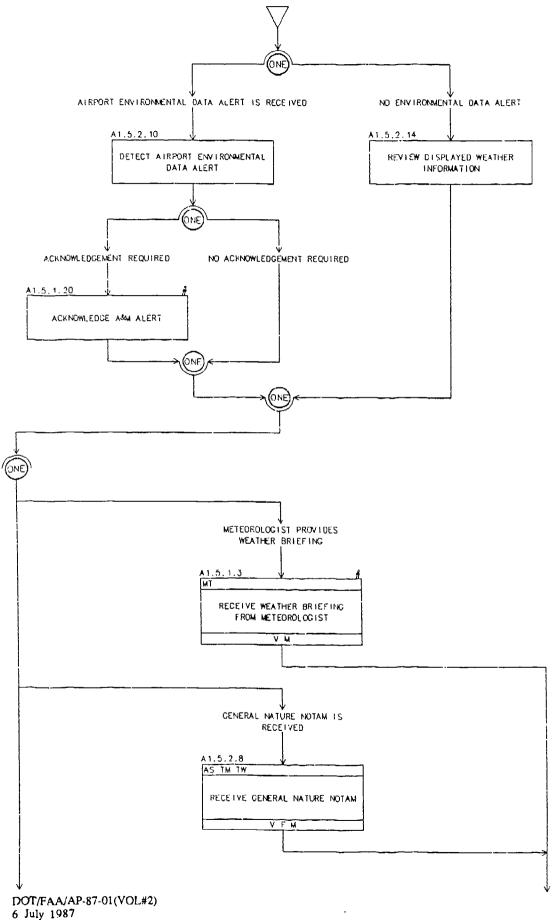




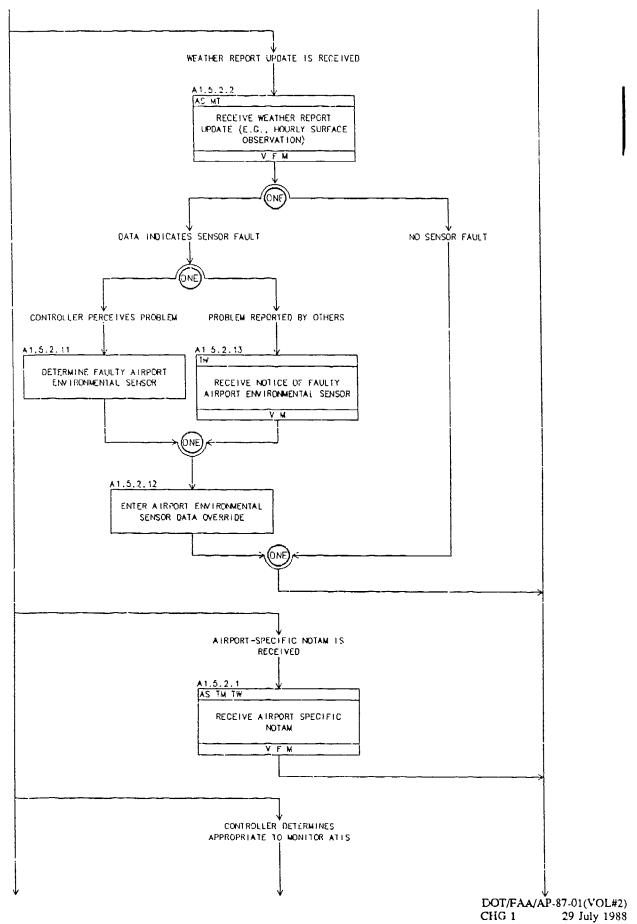




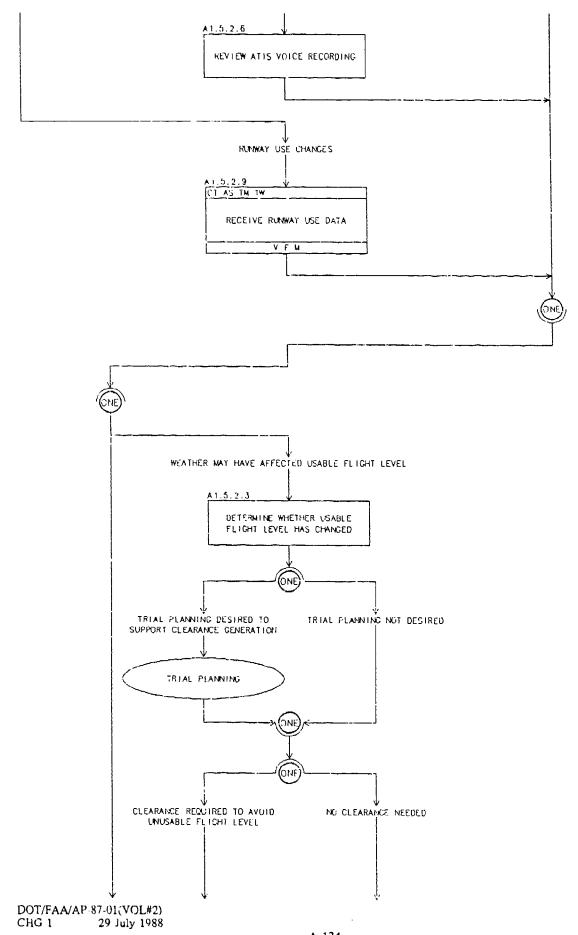




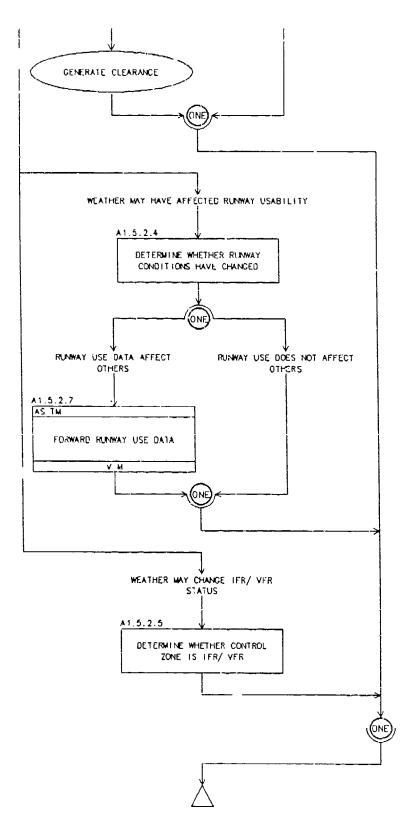
## A1.5.2 PROCESSING WEATHER REPORTS (cont.)

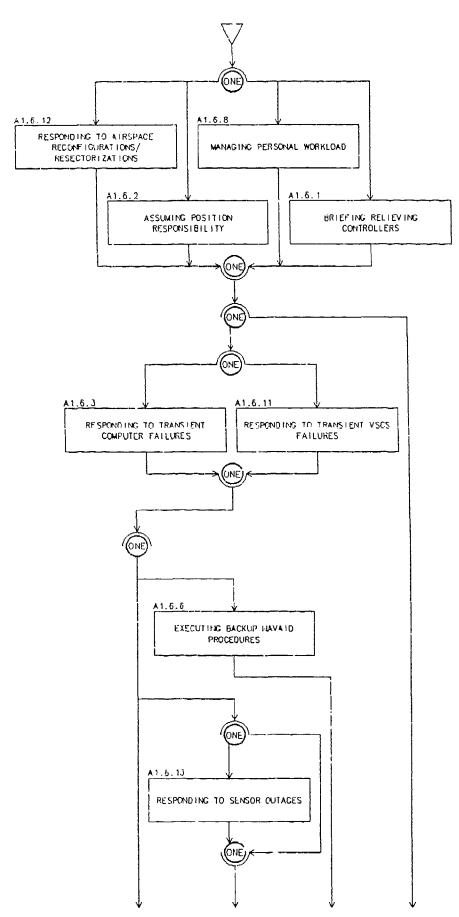


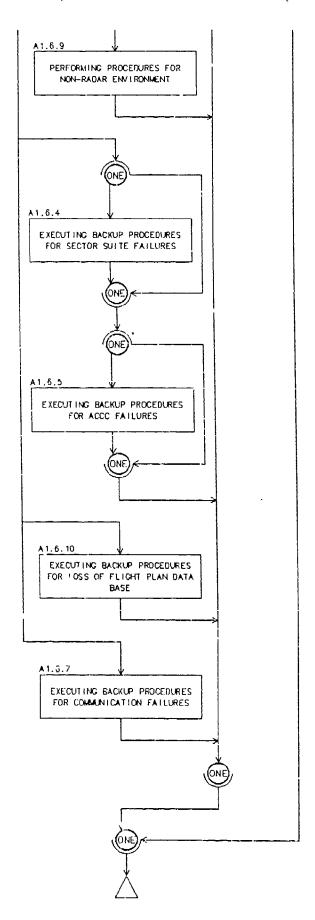
AT. 3.2 PROCESSING WEATHER REPORTS (CONT.)

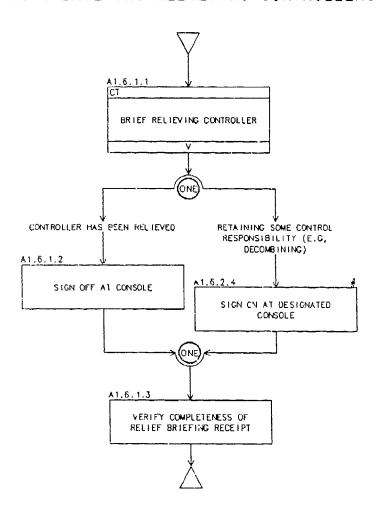


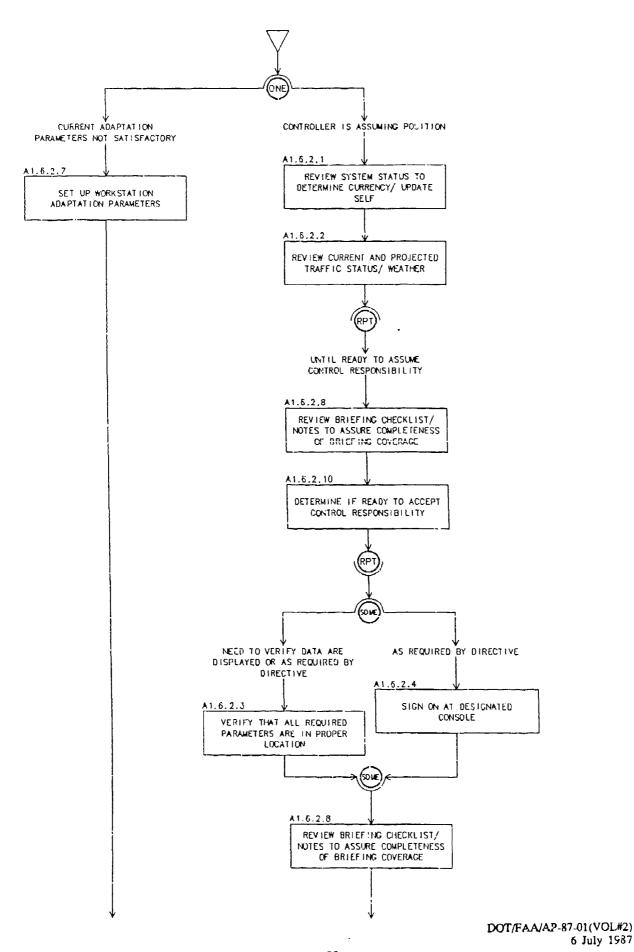
A-134

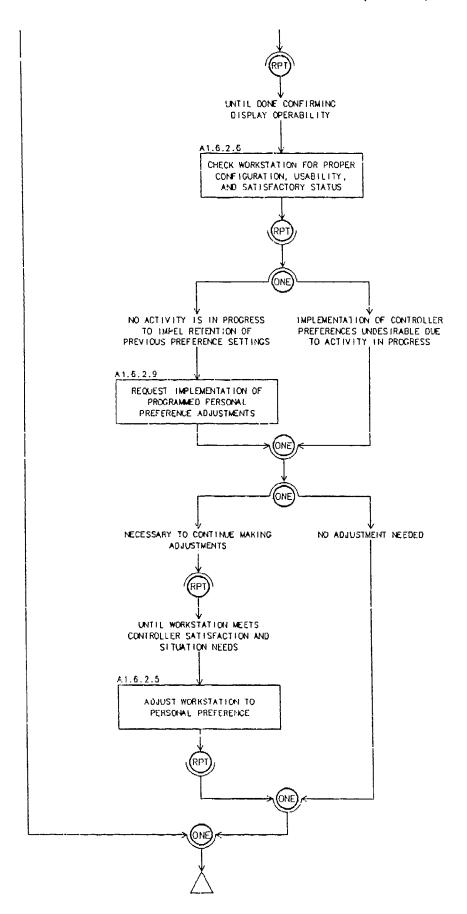


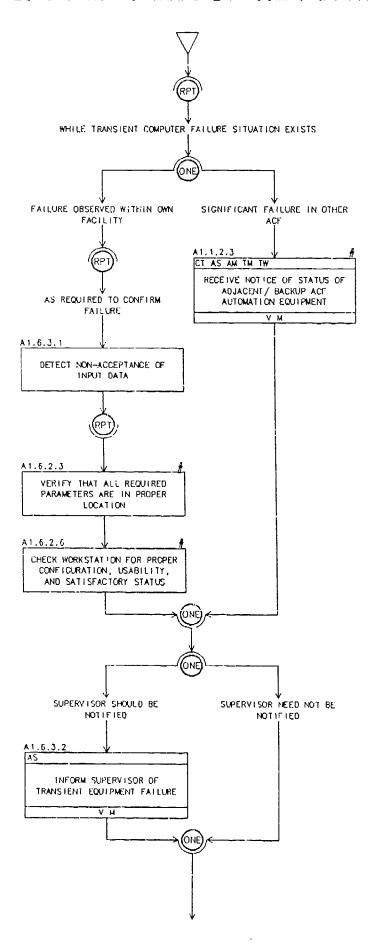


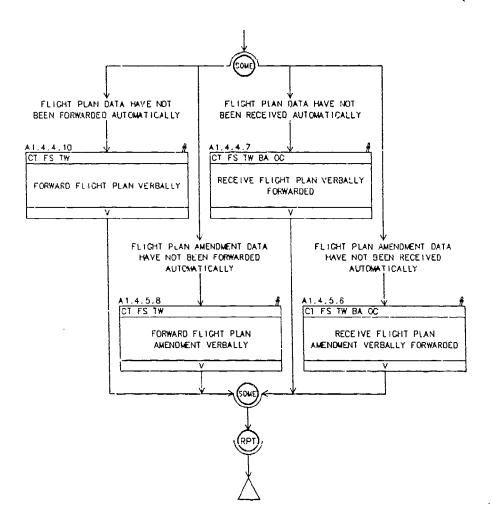


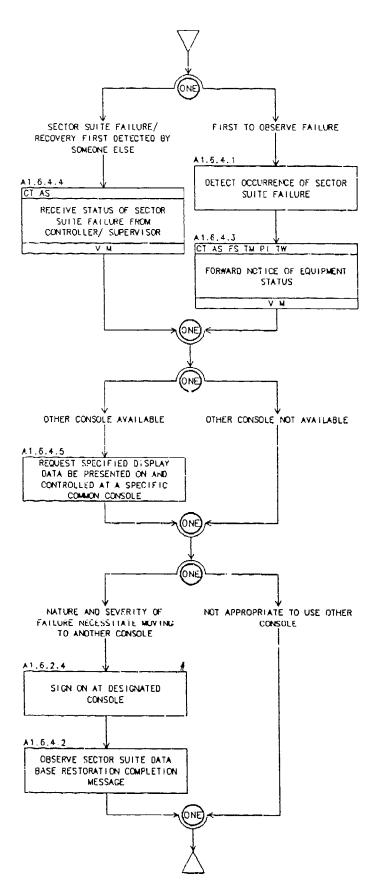


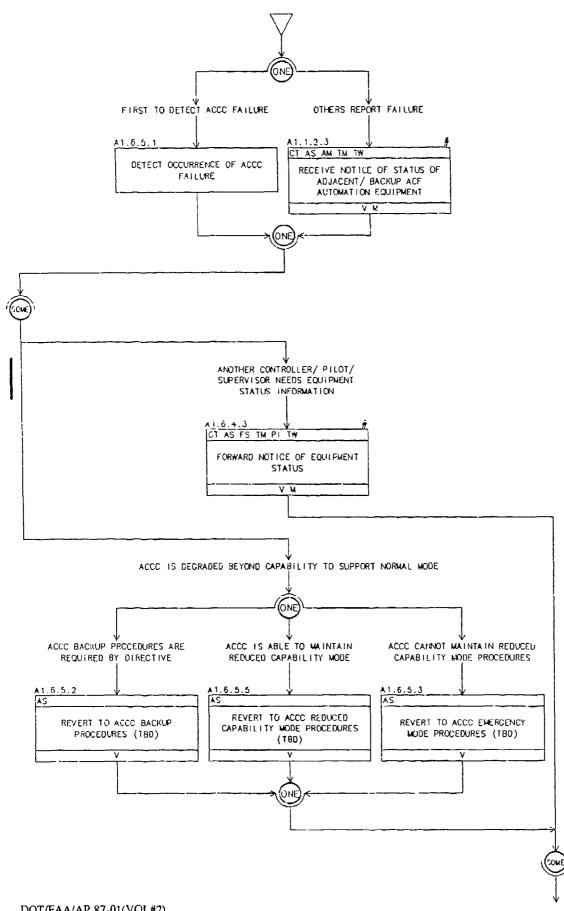




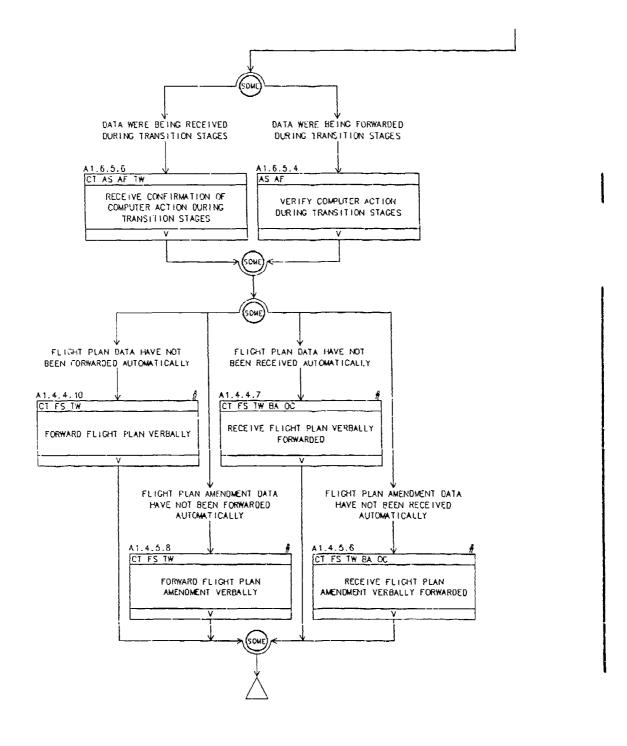


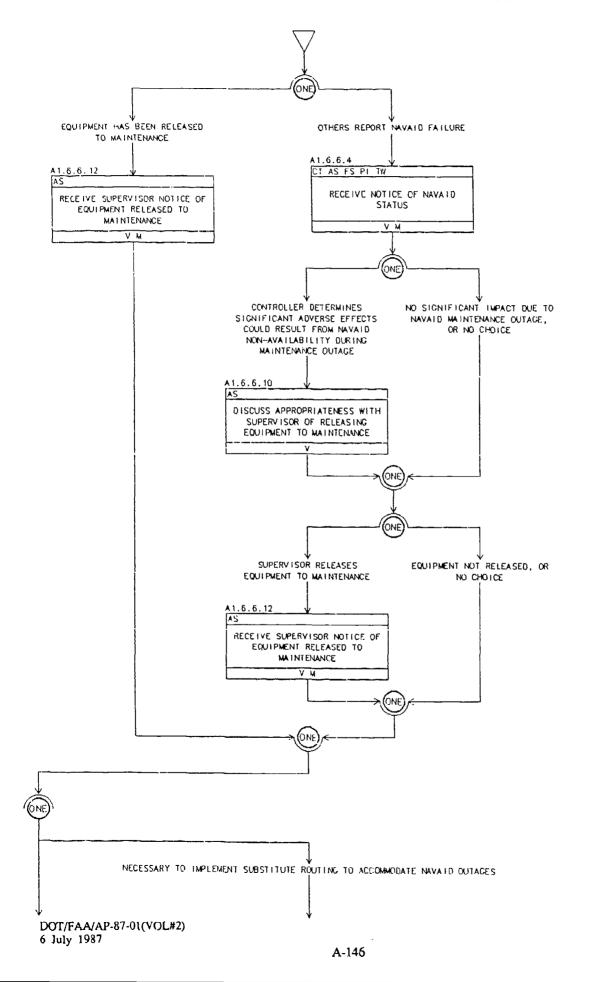


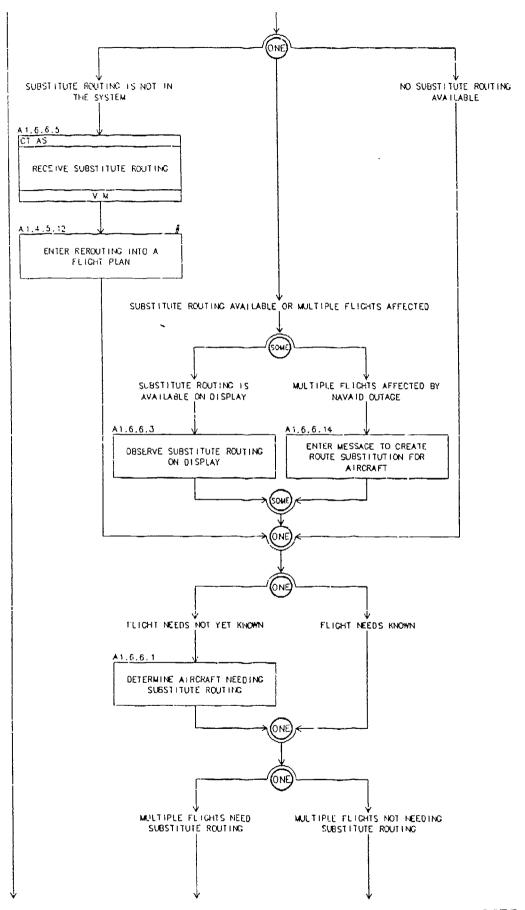


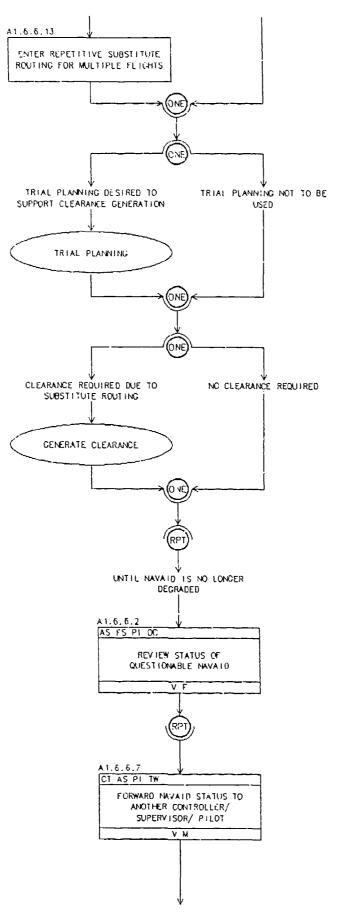


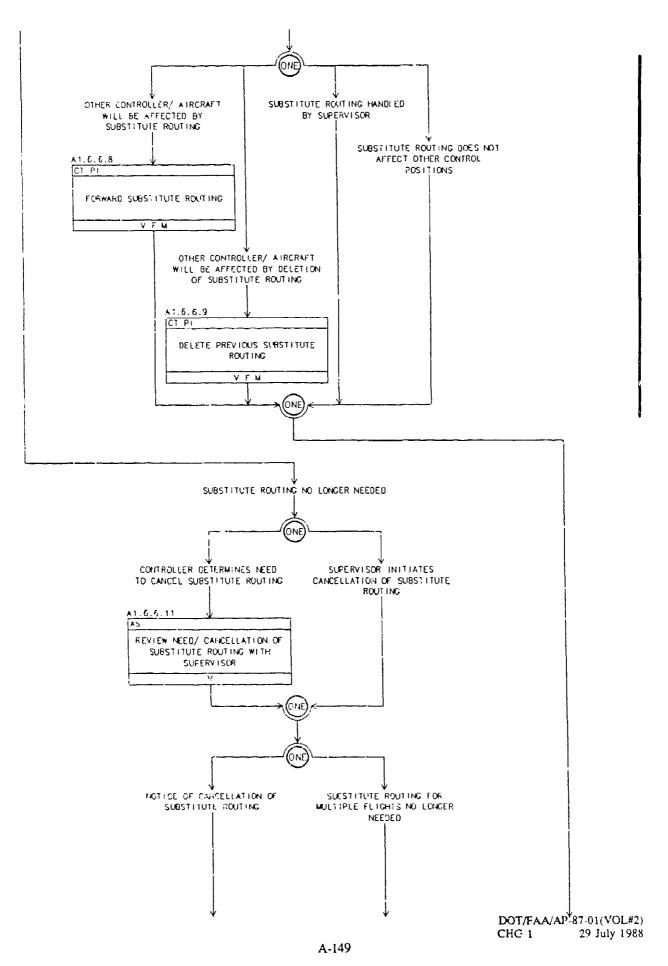
DOT/FAA/AP-87-01(VOL#2) CHG 1 29 July 1988



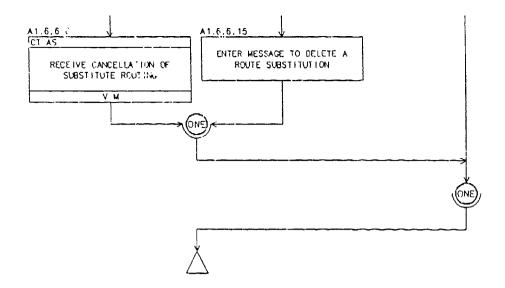


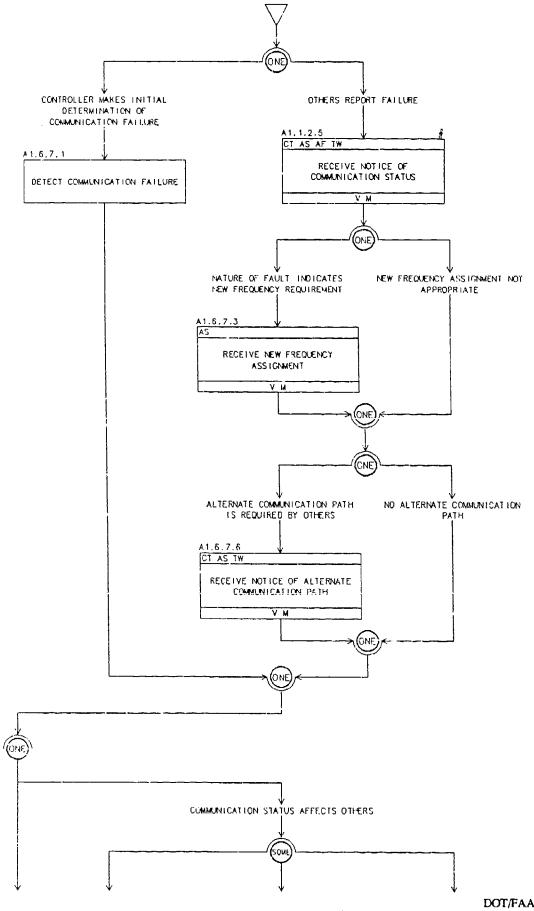


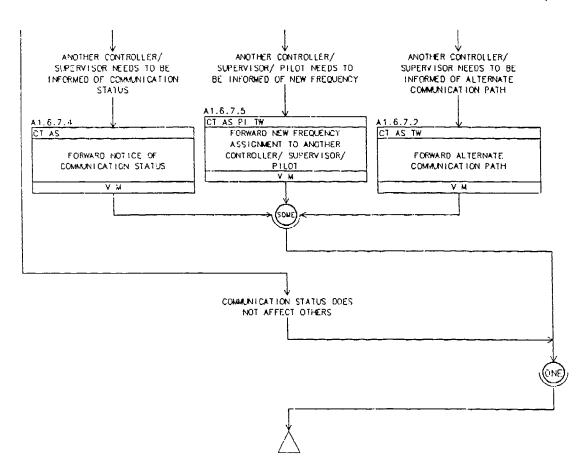


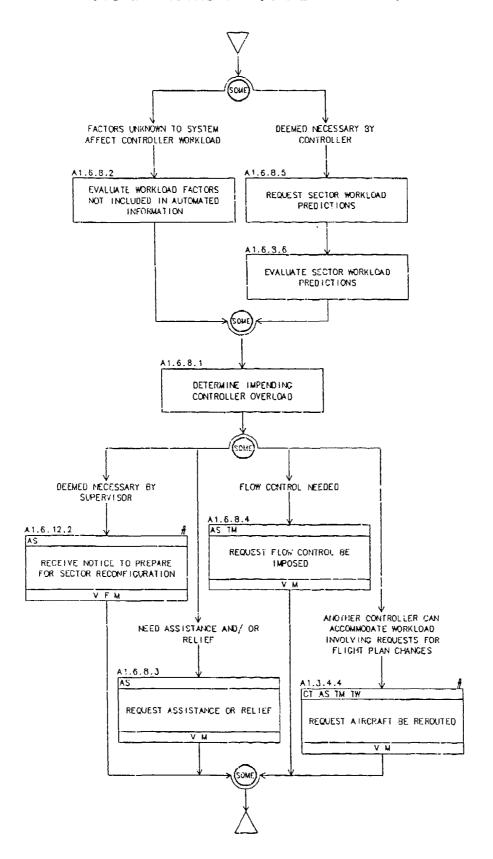


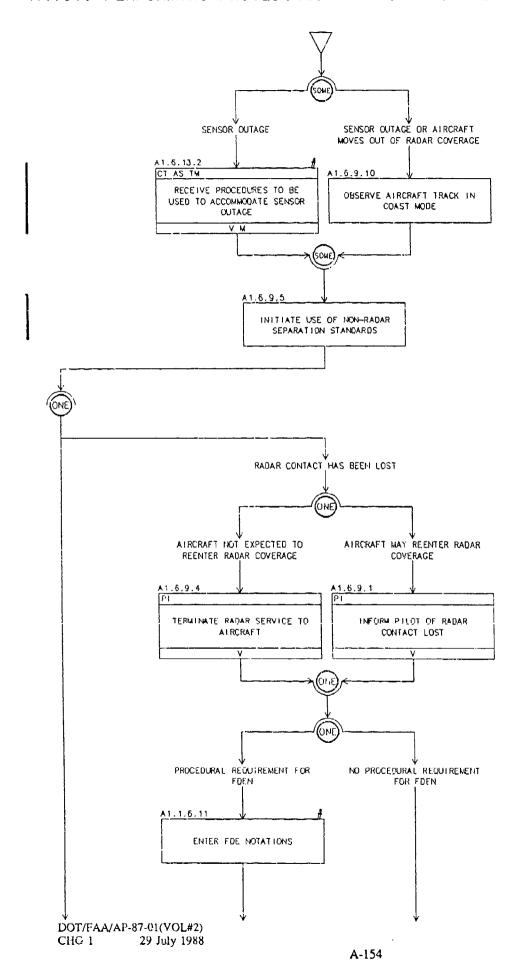
## A1.6.6 EXECUTING BACKUP NAVAID PROCEDURES (cont.)

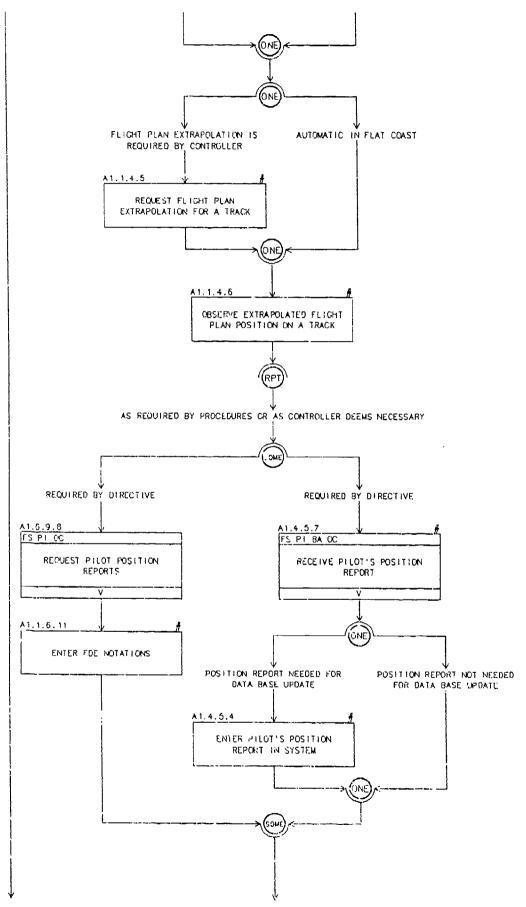


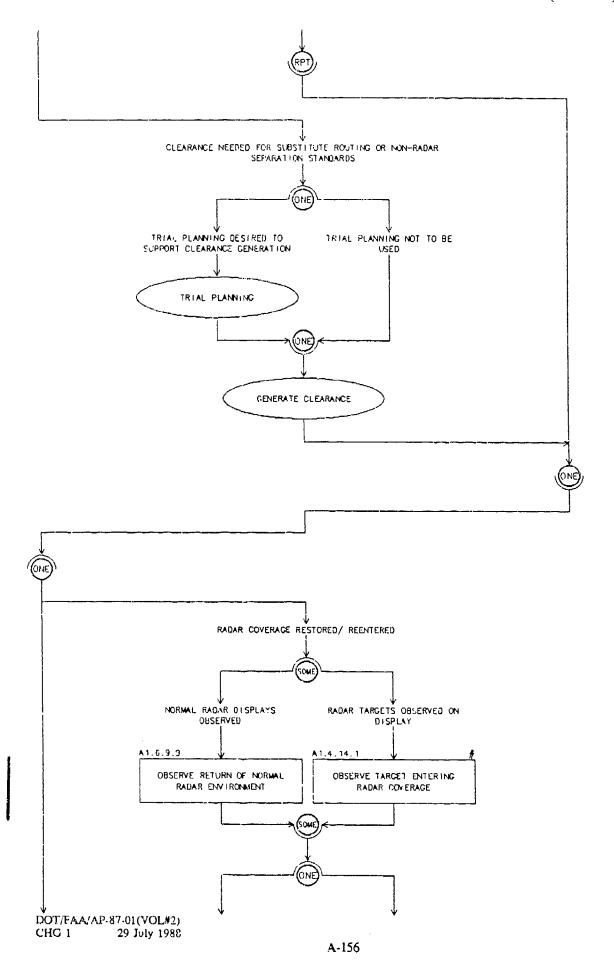


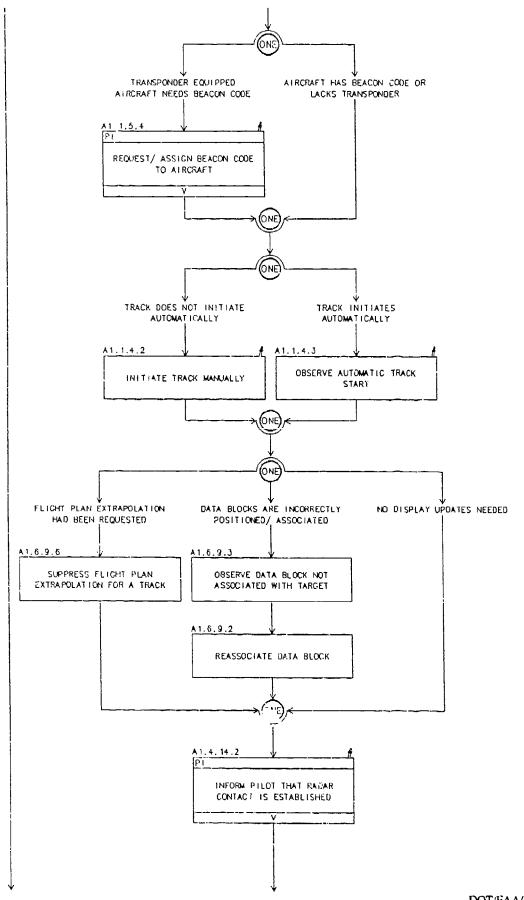




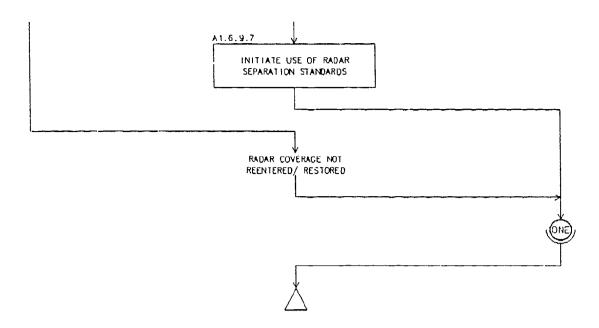


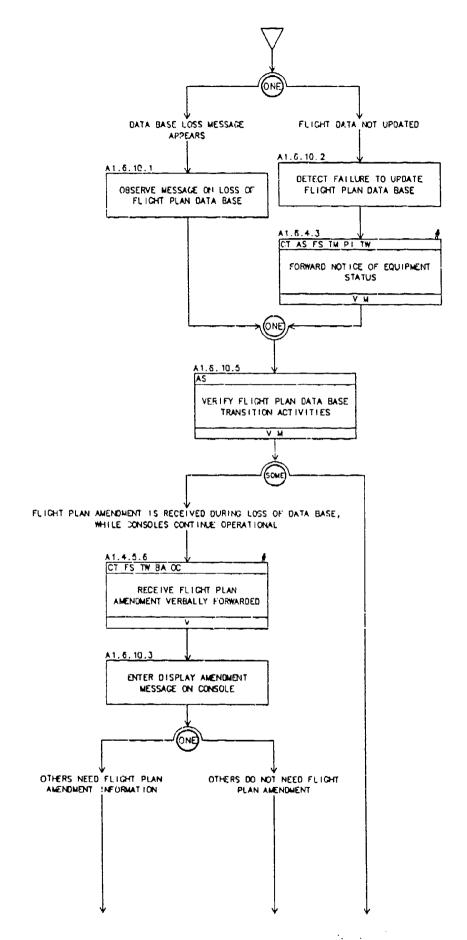


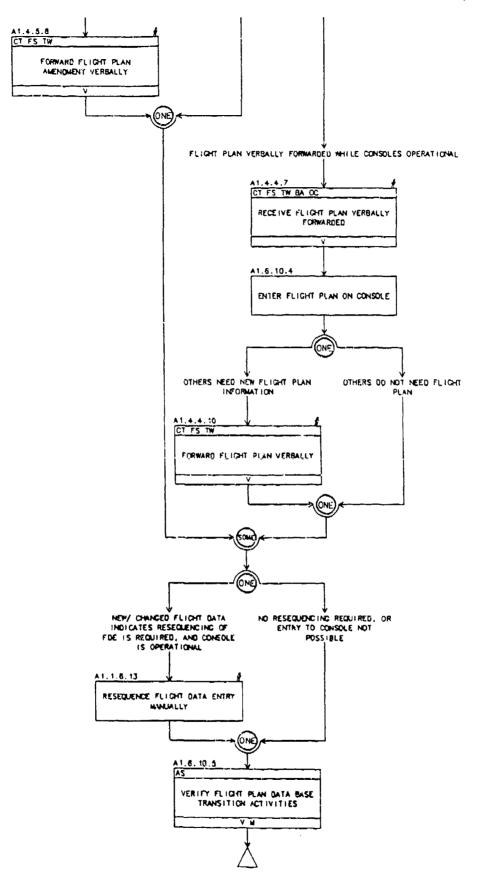


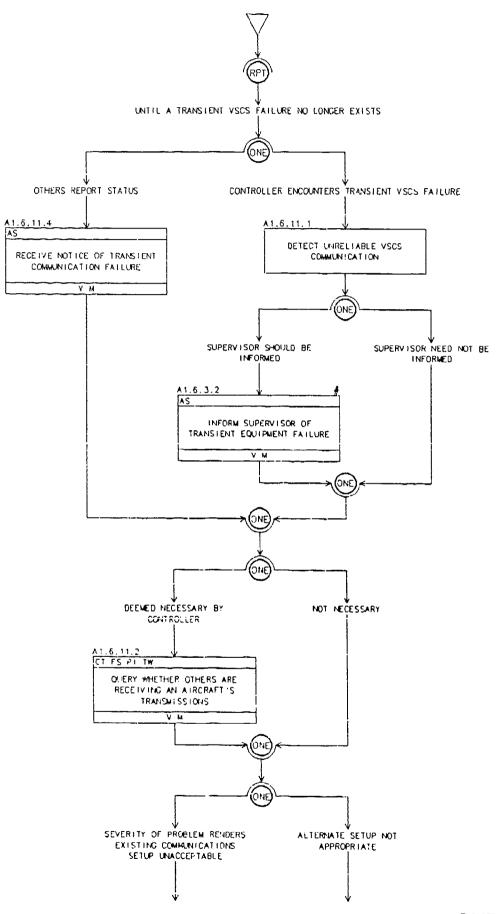


## A1.6.9 PERFORMING PROCEDURES FOR NON-RADAR ENVIRONMENT (cont.) ,

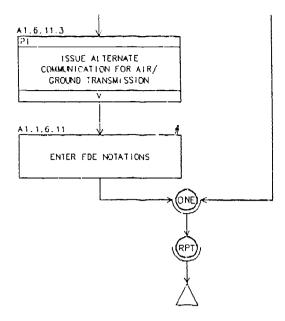


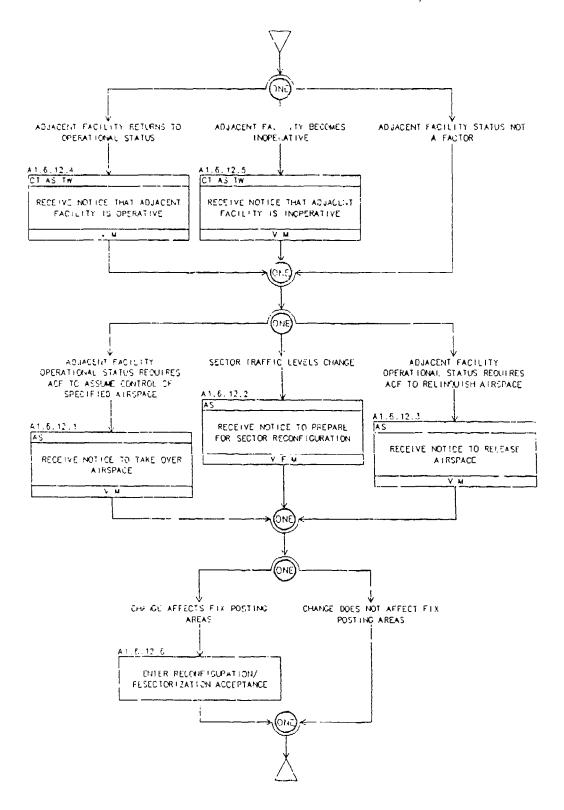


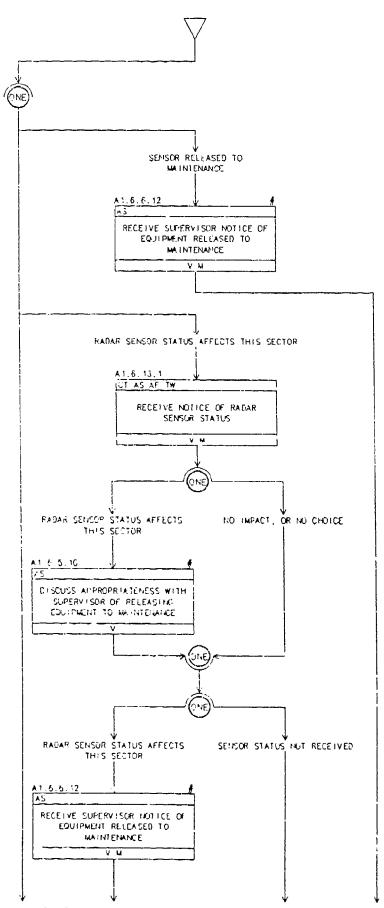




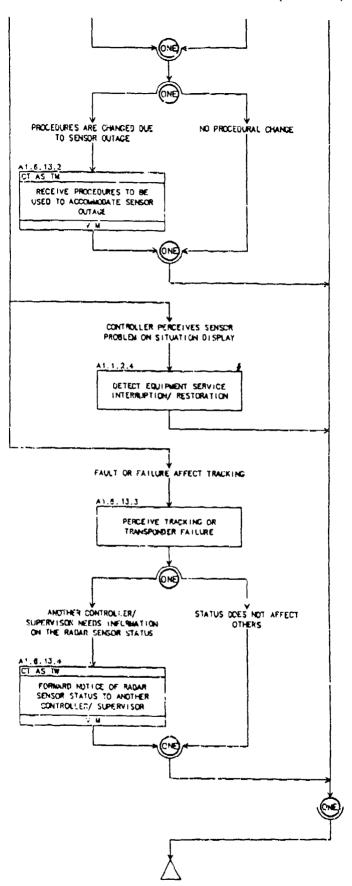
## A1.6.11 RESPONDING TO TRANSIENT VSCS FAILURES (cont.)







# A1.6.13 RESPONDING TO SENSOR OUTAGES (cont.)



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## APPENDIX B

# TASK STATEMENTS AND EVENT TO SUB-ACTIVITY TRACE

This appendix is composed of two sections:

1. Task Statements - consisting of a list of the 428 ACF/ACCC terminal and en route controller tasks. The following summarizes the components of the Task Statements table:

Task Number - assigned number of each task statement.

Task Statement - concise statement of the task to be performed.

Coordination Media - coordination media may be one of three types: Voice (V), Function (F), and Mail (M). Automated Coordination is reserved for AERA 2 and 3 use.

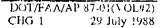
Coordinatees - designates the position/ agency contacted during coordination.

**Transition State** - indicates the AAS transition states for which the task is applicable - ISSS, TAAS, ACCC, AERA 1. AERA 2 and 3 reserved for future use.

Revision Date - indicates the date of last revision for each task.

### 2. Deletea

3. Event to Sub-Activity Trace - noting the relation of ATC events (from Appendix A of Volume I) to each ACF/ACCC controller sub-activity graphed in Appendix A of this volume.



	Task Statement	Coordination Media	ont CO ADSC ADSC ADSC ADSC ADSC ADSC ADSC ADSC	
sk Number		Voice Function Mall Automated Coord.	AC: Controller Ace Supervisor Area Wanager Flight Service Flight Service Rission Coordinator Aliway Fecility/DSC Browner Pilot Controller/Supervisor Recordingle Badio Aeromautical Radio	25.51   27./07/88
A1 A1.8.8.8	PERFORM ACF COMESTIC AIR TRAFFIC CONTROL GENERATE CLEARANCE			X   X   X   X
A1.8.0.1 A1.1 A1.1.1	TRIAL PLANNING  PERFORM SITUATION  MONITORING  CHECKING AND EVALUATI  SEPARATION	NG		
A1.1.1.1	REVIEW FLIGHT DATA CISPLAY FOR PRESENT ANO/ CR FUTURE AIRCR SEPARATION			1x1x1x1 04/22/87
A1.1.1.2	REVIEW SITUATION DISPLAY FOR POTENTI VIOLATION OF AIRCRA SEPARATION STANDARD RECUEST CONTINUOUS HANGE READOUT	os		X1 X1X1 06/08/87
A1.7.7.4	PROJECT MENTALLY A AIRCRAFT'S FUTURE POSITION/ ALTITUDE PATH			X:   X  X      Ø6/88/87
д1.1.1.	OPTIONS  FORCE/ GUICK LCO DATA BLOCK(S) TO	K FULL		
A1.1.	I: FORMALI UN ON	ER SS THAN		x X X X
1	SELECT FOF SOR PRIORITY SCHEMENTS SC	TING E VELOCITY/		x x x x x 36/08/
A1.	MOVEMENT  READ OUT VERT  PELOCITY TO A POTENTIAL COM	ICAL ASSESS NFLICT		xi x!xl   06/08.
	SUPPRESS CON RANGE READOU 3.1.1.12 REVIEW SITUA DISPLAY FOR VIOLATION UI SEPARATION	ATION POTENTIAL E ATREPACE		(X   X,X)   Ø6/3
	-51 D169	LAYS FOR		

		TASK STATEMENTS Coordination	Transition	Revision
Task Number	Task Statement	i <sup>s</sup> edia Coordinatees	State	Date
		Mail Automated Coord.  Automated Coord.  Ace Supervisor Area Manager Filght Scruce Filght Scruce Filght Scruce Mission Coordinator Alrway Facility/DSC Meteorologist Mission Coordinator Alrway Facility/DSC Meteorologist Central Flow Coordination Central Flow Coordination Cher Coordination Cther Coordination	15SS 16AS ACCC AERA 1 AERA 2 AERA 2	
A3.1.1.14	REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF		x x x x	P4/22/87
A1.1.1.15	CONFORMANCE CRITERIA  DETERMINE UHETHER AIRSPACE SEPARATION STANDARDS MAY BE VIOLATED		xxxxx	04/22/87
A1.1.1.16	DETERMINE WHETHER CONFORMANCE OFTERIA MAY BE VIOLATED		x   x   x	86/36/8?
A1.1.1.17	DETERMINE WHETHER FLOW RESTRICTIONS MAY DE VIOLATED		X   X   X	Ø4/22/87
A1.1.1.18	REQUES! DISPLAY OF CLEARED ROUTE FOR A FLIGHT		x x x	04/30./87
A1.1.2	RECEIVING SYSTEM STATUS INFORMATION		x x x x	95/18/R7
A1.1.2.1	OBSERVE DISPLAY OF NEW/ CHANGED EQUIPMENT/ OPERATIONAL STATUS		x x x	112/22/68
41.1.2.2	ENTER SYSTEM STATUS DATA CHANGE		xx	05/10/87
A1.1.2.3	RECEIVE NOTICE OF STATUS OF ADJACENT/ BACKUP ACF AUTOMATION EQUIPMENT	V M CSM T	xxxxx	05/18/87
A1.1.2.4	DETECT EQUIPMENT SERVICE INTERRUPTION/ RESTORATION		xxxx	Ø6/16/88
A1.1.2.5	RECEIVE NOTICE OF COMMUNICATION STATUS	VI M CS AA T	x x x x	05/18/87
A1.1.2.6	REQUEST REPORT ON NAVAID STATUS	V	x x x x	03/03/98
A1.1.3	ANALYZING INITIAL REQUESTS FOR CLEARANCES		xxxx	ØS/18/87
A1.1.3.1	SEARCH DISPLAY FOR INACTIVE FLIGHT PLAN CA CLEARANCE REQUEST		xxxx	Ø5/19/8
A1.1.3.2	REQUEST FLIGHT DAYA READOUT		x x x	d5/18/87
A1.1.3.3	REQUEST FLIGHT DATA ENTRY FORMAT CHANGE		x   x   x	Ø5718/87
A1.1.4	PROCESSING DEPARTURE/ EN ROUTE TIME INFORMATION		x x x x	<b>82/25/8</b> 6
A1.1.4.1	ENTER DEPARTURE/ EN ROUTE TIME MESSAGE		xxxx	05/06/87
A1.1.4.2	INITIATE TRACK MANUALLY		x x x x	#5/18/9 <i>7</i>
A1.1.4.3	OBSERVE AUTOMATIC TRACK START		x x x x	ღ5/18/8/

Task Number	Task Statemeni	Coordination Media	Coordinatees	Transition State	Revision Dote
		Voice Function Mall Automated Coord.	ACF Controller Area Supervisor Area Manager Flight Service ireffic Mar., nent Mission Coordinator Arnay Facility/DSC Meteorologist Pilot Controller/Sup Central Flow Control Base Operation Other Condination Condination Condination Condination	1553 1745 4000 AERA 1 AERA 2 AERA 3	
A1.1.4.4	RECEIVE DEPARTURE/ EN ROUTE TIME MOTICE	V	C F P P T	x   x   x   x	05/06/87
A1.1,4.5	REQUEST FLIGHT PLAN EXTRAPOLATION FOR A TRACK				06/30/87
A1.1.4.6	OBSERVE EXTRAPOLATED FLIGHT PLAN POSITION ON A TRACK				Ø6/3Ø/87
A1.1.5	PROCESSING REQUESTS FOR FLIGHT FOLLOWING			xxxx	Ø5/18/87
41.1.5.1	EVALUATE CONDITIONS FOR PROVIDING FLIGHT FOLLOWING				Ø5/18/87
A1.1.5.2	RECEIVE REQUEST FOR FLIGHT FOLLCWING	V		xxxx	Ø5/18/87
A1.1.5.3	DENY FLIGHT FOLLOWING REQUEST	VI M	F   PT	x x x x	05/18/87
A1.1.5.4	REQUEST/ ASSIGN BEACON CODE TO AIRCRAFT	V		x x x x	04/22/87
A1.1.5.5	INFORM FILOT OF ALTERNATE INSTRUCTIONS NECESSARY FOR FLIGHT FOLLOWING SERVICE	vi		x x x x	Ø5/18/87
41.1.6	BCUSEKEEPING			xxxx	Ø5/18/87
A1 1.6.1	OFFSET A DATA BLOCK			xxxx	05/18/8
A1.1.5.2	UPDATE/ REVISE CONTROLLER NOTE			x x x x	02/25/8
A1.1.6.3	DELETE FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM ATC SYSTEM			x   x   x   x	05/18/8
A1.1.6.4	CELETE FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM LODAL ACCU SYSTEM				Ø5/3B/8.
A1.1.6.5	SUPPRESS DISPLAY OF FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM ALL DISPLAYS IN OWN SECTOR SUITE				Ø5/18/8
A1.1.6.6	RESTURE DISPLAY OF FLIGHT DATA ENTRY AND FULL DATA BLOCK TO ALL DISPLAYS UN OUN SECTOR SUITE			x x x x	Ø5/12/8
-1,1,6.7	SUPPRESS DATA BLOCK FROM ALL DISPLAYS IN OWN SECTUR SUITE			X X X X	ð5/18/8
41,1 6.8	RESTORE DATA CLOCK TO ALL DISPLAYS IN OWN SECTOR SUITE			x x, x x!	SS21829
A1.1.6.9	SUPPRESS FLIGHT DATA ENTRY FROM ALL DISFLAYS IN CASSECTOR SOITE			X X X X	85/19/9



7			كالمداد والمجارات الكسكانات وعر	TASK STATEMENTS	Torre	0.
	Task Number	Task Statement	Coordination Media	Coordinatees	Transition State	Revision Date
A. D.			Voice Function Mail Automated Coord.	ACF Controller Area Supervisor Area Bangaer Flight Service Iraffic Management Mission Coordinator Arlmay Facility/OSC Weteorologist Flow Controller/Sup Control Flow Controller/Sup Acronautical Radio Base Operations Other	15SS TAAS ADDC AERA 1 AERA 2 AERA 3	
Ì						
	A1.1.6.10	RESTORE FLIGHT DATA ENTRY TO ALL DISPLAYS IN OLD SECTOR SUITE			x x x x	05/18/87
	A1.1.6.11	ENTER FOE NOTATIONS			xxxx	05/18/87
	A1,1.6.12	CELETE FDE NOTATIONS			xxxx	Ø5/18/87
	A1.1.6.13	RESECUENCE FLIGHT DATA ENTRY MANUALLY			x x x x	05/18/87
	A1.1.6.14	DELETE CONTROLLER NOTE			xxxx	02/25/88
	A1.1.6.15	CELETE SCRATCH PAD DATA IN FULL DATA BLOCK			x x x	04/07/88
	A1.2	RESOLVE AIRCRAFT CONFLICTS			xxxx	05/18/87
	A1.2,1	PERFORMING AIRCRAFT CUNFLICT RESOLUTION			x x x x	05/18/87
	A1.2.1.1	DETECT AIRCRAFT CONFLICT ALERT INDICATION				Ø5/18/87
	41.2.1.2	DETERMINE VALIDITY OF POTENTIAL AIRCRAFT CONFLICT NOTICE OR INDICATION				ð5/18/87
	A1.2.1.3	RECEIVE CONTROLLER NOTICE OF POTENTIAL AIRCRAFT CONFLICT IN SECTOR	v		xxxx	05/18/97
	A1.2.1.4	INFORM CONTROLLER OF POTENTIAL AIRCRAFT CONFLICT IN HIS SECTOR	V		xxxx	<b>8</b> 5/18/87
	A1.2.1.5	FORWARD NOTICE OF AIRCRAFT CONFLICT TO SUPERVISOR	V M	s	X X X X	N5/18/87
	A1.2.1.6	CHOOSE CONFLICT RESOLUTION OPTION			x   x   x	07/07/88
	A1.2.1.7	REVIEW POTENTIAL CONFLICT SITUATION FOR RESOLUTION			X   X   X   X	07/07/88
	A1.2.1.8	DETERMINE APPROPRIATE ACTION TO RESOLVE AIRCRAFT CONFLICT SITUATION			x x x x	й2/23/88
	А1.2.1.9	PERCEIVE POTENTIAL AIRCRAFT CONFLICT SITUATION			x   x   x	Ø5/18/87
	A1.2.2	PERFORMING MINIMUM SAFE ALTITUDE PROCESSING			xxxx	Ø5/18/97
	A1.2.2.1	DETECT MSAW INDICATION OR ALARM			xxxx	05/18/87
	A1.2.2.2	FORWARD NOTICE OF VALID MSAW OR FLIGHT ASSIST TO SUPERVISOR	) V	Si	X X X X X	Ø5/18/87

Task Number	Task Statement	Coordination Media	Coordinatees	Transition State	Revision Oots
		Voice Function Hail Autorated Coord.	ACF Controller Area Supervisor Area Banager Flight Service Traffic Management Mission Coordinatur Airway Facility/USC Plower Controller/Supercoopist Tower Controller/Supercon	1555 TAAS AGCC AERA 1 AERA 2 AERA 3	
A1.2.2.3	RECEIVE CONTRULLER NOTICE OF POTENTIAL	y	С	x x x x	Ø5/18/87
A1.2. <sup>2</sup> .4	MSAW IN SECTOR  INFORM CONTROLLER OF POTENTIAL MSAW IN HIS SECTOR	v	С	xxxx	Ø5/18/87
A1.2.2.5	PERCEIVE POTENTIAL LOW ALTITUDE SITUATION			xxxxx	g4/04/88
A1.2.2.6	DETERMINE VALIDITY OF MSAW NOTICE OR INDICATION			x x x x   x	Ø5/18/8?
A1.2.2.7	DETERMINE APPROPRIATE ACTION TO RESOLVE LOW ALTITUDE SITUATION			xxxx	02/23/88
A1.2.3	PERFORMING AIRSPACE CONFLICT PROCESSING			xxxx	ภ5/18/87
A1.2.3.1	INFORM CONTROLLER OF POTENTIAL AIRSPACE CONFLICT IN HIS SECTOR	V	С	x   x   x   x	<b>0</b> 5/07/88
A1.2.3.2	RECEIVE CONTROLLER NOTICE OF POTENTIAL AIRSPACE CONFLICT IN SECTOR	V		XXXXX	Ø5/18/87
A1.2.3.3	REQUEST RELEASE OF SPECIAL USE AIRSPACE	V	CS	x x x x	05/18/87
A1.2.5.4	RECEIVE DENIAL OF USE OF SPECIAL USE AIRSPACE	V	cis	xxxx	05/18/87
A1.2.3.5	RECEIVE APPROVAL FOR USE OF SPECIAL USE AIRSPACE	V	cs	xxxx	Ø5/15/87
A1.2.3.6	CETERMINE VALIDITY OF AIRSPACE CONFLICT NOTICE OR INDICATION				05/18/87
Ai.2.3.7	PERCEIVE POTENTIAL AIRSPACE CONFLICT SITUATION				05/18/87
A1.2.3.8	DETERMINE APPROPRIATE ACTION TO RESOLVE AIRSPACE CONFLICT SITUATION			x   x   x   x	Ø5/18/87
A1.2.4	ISSUING UNSAFE CONDITION ADVISCRIES			xxxx	Ø5/18/87
A1.2.4.1	OBSERVE DISPLAY FOR FIXED OBSTRUCTIONS THAT MAY INTERFERE WITH AIRCRAFT FLIGHT				<b>0</b> 5/18/8?
A1.2.4.2	EVALUATE CONFLICT RESOLUTION ADVISORY APPROPRIATENESS FOR FILOT/ ROUTE/ ALTITUDE/ WEATHER			x   x   x	ØG/ <b>3</b> Ø/87
A1.2.4.3	FORMULATE ADVISORY/ SAFETY ALERT CONTENT				<b>0</b> 5/18/87

Tosk Number	Task Statement	Coordination Media	ASK STATEMENT'S  Coordinatees	Transition State	Revision Date
		Voice Function Mai: Automated Coord.	ACF Controller Area Supervisor Area Mangervisor Flight Service Traffic Management Mission Coordinator Array Facility/DSC Array Facility/DSC Array Facility/DSC Actor Controller/Sup Tower Controller/Sup	15SS TAAS ACCC AERA 1 AERA 2 AERA 3	ou.
A1.2.4.4	DETECT ALRCRAFT MANEUVER IN RESPONSE TO			x x x x	<b>0</b> 5/18/87
A1.2.4.5	ADVISORY/ ALERT  ISSUE TRAFFIC ADVISORY/ SAFETY ALERT IN REGARD TO TRAFFIC PROXIMITY	V	P	xxxx	Ø5/18/87
41,2,4,6	INFORM PILOT WHEN CLEAR OF TRAFFIC	V		xxxx	<b>0</b> 5/18/87
A1.2.4.7	ISSUE ADVISORY IN REGARD TO A NON-CONTROLLED OBJECT	V		x   x   x	Ø5/18/87
A1.2.4.8	INFORM PILOT WHEN CLEAR OF NON-CONTROLLED OBJECT	V		xxxx	Ø5/18/87
A1.2.4.9	ISSUE ADVISORY IN REGARD TO RESTRICTED AIRSPACE PROXIMITY	v		x   x   x   x	Ø5/18/87
A1.2.4.18	ISSUE ADVISORY IN REGARD TO FLIGHT PLAN DEVIATION	V'	P	xxxx	Ø5/18/87
A1 2.4.11	EVALUATE MSAH:  RESOLUTION ADVISORY IN  RELATION TO AIRCRAFT  TYPE/ PILOT'S  INTENTIONS				Ø5/18/87
A1.2.4.12	ISSUE SAFETY ALERT IN REGARD TO MINIMUM ALTITUDE	V	P	xxxx	Ø2/23/88
41,2.4.13	OBSERVE DISPLAY FOR NON-CONTROLLED AIRBORNE OBJECTS THAT MAY INTERFERE WITH AIRCRAFT FLIGHT			xxxx	Ø5/18/87
A1.2.4.14	DETERMINE NEED FOR ADVISORY/ SAFETY ALERT/ CLEARANCE			xxxx	Ø2/23/88
41.2.5	SUPPRESSING ALERTS/ RESCLUTION ADVISORIES			x x x x	Ø2./25/88
A1.2.5.1	DETERMINE VALIDITY/ APPROPRIATENESS OF DISPLAY OF AN ALER1/ RESCLUTION ADVISORY				Ø6/Ø8/87
41.2.5.2	SUPPRESS CONFLICT ALERT FOR PAIRED AIRCRAFT			x x x x	Ø5/18/87
A1.2.5.3	SUPPRESS CONFLICT ALERT FOR GROUP SUPPRESSION			x xx	06/08/87
A1.2.5.4	SUPPRESS MSAW RESOLUTION ADVISORY FOR AN AIRCRAFT			x x x	<b>0</b> 6/ <b>0</b> 8/87
A1.2.5.5	SUPPRESS MSAW FUNCTION FOR AN AIRCRAFT				04/22/87
41.2.5.6	SUPPRESS CONFLICT RESOLUTION ADVISORY FOR PAIRED AIRCRAFT			x xx	06/30/37

Task Number	Task Statement	Coordination Media Coordinates	Transition State	Revision Date
		Function Mail Automated Coord.  ACF Controller Area Supervisor Area Managen Filght Sarvice Filght Sarvice Filght Sarvice Filght Continator Mission Coordinator Mission Controller/Supervisor Airway Facility/USC particulation Mission Controller/Supervisor Controller/Supervisor Controller/Supervisor Diner Coordination Other Coordination	15SS 77AS ACC AFRA 1 AFRA 2 AFRA 3	
A1.2.5.7	RESTORE SPECIFIC ALERI/ RESOLUTION ADVISORY		x x x	ø2/26/88
A1.2.6	FUNCTION TO NORMAL  SUPPRESSING DISPLAY OF CONFLICT/ RESTRICTION VIOLATION CHECKS		x	Ø2/25/88
A1.2.5.1	SUPPRESS FLIGHT PLAN AIRCRAFT CONFLICT DETECTION			Ø5/18/87
A1.2.6.2	RESTORE FLIGHT PLAN AIRCRAFT CONFLICT DETECTION			Ø5/18/87
A1.2.6.3	SUPPRESS DISPLAY OF FLIGHT PLAN AIRSPACE CONFLICT DETECTION			04/22/87
41,2,6,4	RESTORE DISPLAY OF FLIGHT PLAN AIRSPACE CONFLICT DETECTION			Ø4/22/87
A1.2.8.5	SUPPRESS FLIGHT PLAN FLOW RESTRICTION VIOLATION DETECTION			Ø5/18/87
A1.2.6.6	RESTORE FLIGHT PLAN FLOW RESTRICTION VIOLATION DETECTION			Ø5/18/8
41.3	MANAGE AIR TRAFFIC SEQUENCES		x x x x	Ø5/18/87
41.3 1	RESPONDING TO TRAFFIC MANAGEMENT CONSTRAINTS/ FLOW CONFLICTS		xxxx	Ø5/18/8.
A1.3.1.1	EVALUATE TRAFFIC MANAGEMENT CONSTRAINTS FOR EFFECT ON TRAFFIC FLCW		x x x x   x   ,	04/22/8
A1.3.1.2	CHOOSE OPTION TO BRING AIRCRAFT INTO CONFORMANCE WITH TRAFFIC MANAGEMENT RESTRICTIONS		xxxxx	03/31/8
A1.3.1.3	DISCUSS DISCONTINUANCE OF TRAFFIC MANAGEMENT RESTRICTION/ TRAFFIC REROUTE WITH SUPERVISOR	v	XXXX	Ø5/18/9
A1.3.1.4	REVIEW OPTIONS TO BRING AIRCRAFT INTO CONFORMANCE WITH TRAFFIC MANAGEMENT RESTRICTIONS		xxxxx	03/31/8
A1.3.1.5	NEGOTIATE TRAFFIC MANAGEMENT ACTION WITH PILOT	V.	X X X X	Ø5/18/8
A1.3.1.6	RECEIVE TRAFFIC MANACEMENT RESTRICTION	v   n	x x x x	84/22/6
A1.3.1.7	RECEIVE METERING DATA	v:   M		06/30/8

Task Number	Task Statement	Coordination Media	Coordinatees	Transition State	Revision Date
		Voice Function Mail Automated Coord.	ACF Controller Area Supervisor Area Manager Aright Service Iraffic Management Mission Coordinator Array Facility/DSC Meterologist Pilot Tower Controller/Sup Central Flow Control Base Operation Other Coordination	1888 1888 1888 1888 1888 1888 1888	
A1.3.1.8	RECEIVE SUPERVISOR NOTICE TO HOLD/ REROUTE TRAFFIC CLEAR OF CONTINGENCY	V	S	x x x x	Ø5/18/87
41.3.1,9	REQUEST EXCEPTION TO TRAFFIC MANAGEMENT RESTRICTION	V	S, T,	xxxx	Ø5/18/87
A1.3.1.18	REVIEW TRAFFIC DEMANDS AND TRAFFIC MANAGEMENT RESTRICTIONS WITH SUPERVISOR	V	S	x   x   x	05/18/87
A1.3.1.11	RECEIVE SUPERVISOR BRIEFING ON WHAT TRAFFIC CONDITIONS TO EXPECT	V		x   x   x   x	Ø5/18/87
41.3,1,12	REQUEST TRAFFIC MANAGEMENT ADVISORIES			xx	06/30/87
A1.3.1.13	RECEIVE APPROVAL OF REQUEST FOR EXCEPTION TO FLOW RESTRICTION	V	S	xxxxx	Ø5/18/87
A1.3.1.14	RECEIVE DENIAL OF REQUEST FOR EXCEPTION TO FLOW RESTRICTION	v			Ø5/18/87
A1.3.1.15	DETERMINE VALIDITY OF FLOW RESTRICTION VIOLATION INDICATION				Ø5/18/87
A1.3.1.16	REQUEST METERING ADVISORY LIST			x x x	04/30/87
A1.3.2	PROCESSING DEVIATIONS			x x x x	Ø5/18/87
A1.3.2.1	PERCEIVE AN ALTITUDE OR ROUTE DEVIATION			xxxx	Ø5/18/87
A1.3.2.2	OBSERVE AIRCRAFT RESUMING NORMAL FLIGHT PLAN			x x x x	05/18/87
A1.3.2.3	DETERMINE MANEUVER TO ESTABLISH/ RESTORE FLIGHT PLAN CONFORMANCE				Ø5/Ø6/87
A1.3.2.4	RECEIVE CONTROLLER NOTICE OF AIRCRAFT FLIGHT PLAN DEVIATION	V     M		xxxxx	Ø5/18/87
41.3.2.5	INFORM CONTPOLIER/ SUPERVISOR OF AIRCRAFT FLIGHT PLAN DEVIATION	V	CS	x x x x	Ø6/3Ø/87
41.3.2.6	DETECT LATERAL! ALTITUDE NONCONFORMANCE INDICATION			x   x   x	02/25/88
A1.3.2.7	REQUEST RECONFORMANCE			x	05/18/87
A1.3.2.8	EVALUATE TRIAL PLAN GENERATED BY RECONFORMANCE AID FOR APPROPRIATE ALTITUDE/ ROUTE				Ø5/C6/87

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	Task Number	Task Statement		dination ledia			Coordin	otees		Transition State	Revision Nate
			Voice Function	Mail Automated Coord.		AGF Controller Area Supervisor Area Manager Flight, Service	Traffic Management. Mission Coordinator Airway Facility/DSC Meteorologist	Pijot Tower Controller/Sup Central Flow Control Aerorautical Radio Jase Operations Other Coordination		15SS TARS ACC AERA 1 AERA 2 AERA 3	
	A1.3.2.9	REQUEST DISPLAY OF FDE FOR FLIGHT FLAN								xxxx	Ø5/18/87
	A1.3.2.10	EVALUATE FLIGHT DATA TO DETERMINE FUTURE COURSE OF ACTION								XXXX	<b>0</b> 5/18/87
	41.3.2.11	EVALUATE LATERAL NONCONFORMANCE INDICATION FOR ACTION NEEDED									Ø6/Ø8/87
	41.3.2.12	EVALUATE ALTITUDE NONCOMFORMANCE INDICATION FOR ACTION NEEDED									Ø6/3Ø/87
	A1.3.2.13	EVALUATE UNREASONABLE MODE C INDICATOR FOR ACTION NEEDED								x x x x	05/20/88
	A1.3.2.14	DETECT UNREASONABLE MODE C INDICATION								x x x x	05/23/88
	A1.3.3	RESPONDING TO SPECIAL USE AIRSPACE EVENTS								X X X X	05/18/87
	A1.5,\$.1	INFURM CUNIRULLER/ SUPERVISOR/ PILOT OF AIRSPACE RESTRICTION IMPOSED/ RELEASE	V	M		C S					ขอ/ข6/8/
	A1.3.3.2	ENTER AIRSPACE RESTRICTION STATUS CHANGE									Ø6/3C/87
	A1.3.3.3	RECEIVE REQUEST FOR USE OF SPECIAL USE AIRSPACE FROM SUPERVISOR/ CONTROLLER/ PILOT	v	M		C S		P		x  x  x  x	05/06/87
	A1.3.3.4	DETERMINE RESTRICTIONS TO USERS NECESSARY WITHIN RELEASED AIRSPACE								x x x x	Ø5/18/87
	A1.3.3.5	OBSERVE DISPLAY OF AIRSPACE RESTRICTION STATUS CHANGE								x   x   x   x	r6/16/88
	A1.3.3.6	RECEIVE NOTICE OF AIRSPACE RESTRICTION/ RELEASE	v	M		CS	x	PT		x x x x x	Ø5/Ø6/87
	A1.3.4	ESTABLISHING ARRIVAL SEQUENCES								x   x   x   x	BC/22/87
	A1.3.4.1	DETERMINE DESCENT TIME OR POINT								x x x x	05/18/87
	A1.3.4.2	PROJECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY APPROACH FLOW TO AIRPORT OR SECTOR									H4/22/8/
	A1.3.4.3	OBSERVE METERING ADVISORY LIST FOR METERING REQUIREMENTS								x   x x	86/J8/87
	A1.3.4.4	REQUEST AIRCRAFT BE REROUTED	V	M		c s		Τ		x x x x	Ø4/3Ø/87
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Task Number	Task Statement	Coordination Media	Coordinatees	Transition State	Revision Date
		Voice Function Mail Automated Coord.	ACE Controller Area Supervisor Area Manager Filght Service Traffic Management Mission Coordinator Anway Facility/DSC Meteorologist Pliot Tower Controller/Sup Central Flow Control Central Coordination	1555 TAAS ACCC AEPA 1 AERA 2 AERA 3	
A1.3.4.5	PROJECT MENTALLY THE RANGE/ BEARING BETWEEN			x x x x	Ø5/Ø6/87
A1.3.4.6	PROJECT MENTALLY THE ARRIVAL FLOW FOR AIRCRAFT LANDING IN OR NEAR THIS SECTOR			xxxx	Ø4/27/87
41.3.4.7	ISSUE NEW ATIS CODE	v		XIX X	06/03/87
A1.3.4.8	INFORM PILOT TO OBTAIN NEW ATIS INFORMATION			x   x   x	06/03/87
A1.3.4.9	ISSUE NEW ATIS INFORMATION	v		x x x	06/03/87
A1.3.5	MANAGING DEPARTURE FLOWS			X   X   X	Ø6/22/87
A1.3.5.1	O BOOM BIACIJAV BOUTITJA			xxxxx	Ø5/18/87
A1.3.5.2	ENTER REPORTED ALTITUDE			x x x x	Ø5/18/87
A1.3.5.3	RECSIVE NOTICE OF MISSED APPROACH	V F		x x x x	Ø5/18/87
A1.3.5.4	PROJECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY DEPARTURE FLOW			xxxxx	ย6/03/8
A1.3.6	MONITORING NON-CONTROLLED UBJECTS			x x x x	Ø5/18/8
A1.3.6.1	OBSERVE AIRSPACE INTRUSION BY A NON-CONTROLLED OBJECT			xxxx	Ø5/18/8
A1.3.6.2	ENTER CONTROLLER NOTE			x x x x	02/25/88
A1.3.5.3	FLIGHT-FOLLOW AN OBSERVED NON-CONTROLLED OBJECT			x   x   x   x	05/18/8
£1.3.6.4	FORWARD NOTICE OF AIRSPACE INTRUSION BY A NON-CONTROLLED OBJECT	V	CSTTTTT	xxxx	05/18/8
A1.3.6.5	RECEIVE NOTICE OF AIRSPACE INTRUSION BY A NON-CONTROLLED OBJECT	VIIIMI	CS	xxxx	Ø2/25/8
A1.3.7	RESPONDING TO TEMPORARY RELEASE OF AIRSPACE REQUESTS			x x x x	Ø5/12/8
A1.3.7.1	RECEIVE CONTROLLER/ SUPERVISOR REQUEST FOR TEMPORARY USE OF AIRSPACE	v		x   x   x	Ø5/ <b>0</b> 4/3
A1.3.7.2	FORWARD APPROVAL FOR TEMPORARY USE OF AIRSPACE	V	c S	x x x x	Ø5/Ø4/8
۸1.3.7.3	FORMARD DENIAL OF TEMPORARY USE OF AIRSPACE	V:	CIS		Ø5/18/8

Task Number	Task Statement	Coordination Media	Coordinatees	Transition State	Revision Date
		Voice Function Mali Automated Coord.	ACF Controller Area Supervisor Area Management Filght Service Fright Service Mission Coordination Green all Flow Controlled Base Operations Other Coordination	1555 TAAS AGCC AERA 1 AERA 2 AERA 3	
A1.3.7.4	SUPPRESS MAP ASSOCIATED WITH TEMPORARY USE OF AIRSPACE			x x x x	Ø5/18/87
A1.3.7.5	DISCUSS RELEASE OF AIRSPACE FOR TEMPOKARY USE WITH SUPERVISOR/ OTHER CONTROLLER	V	C S		Ø2/26/88
47.3.7.6	SELECT MAP DISPLAY OF ADAPTED AIRSPACE REQUESTED FOR USE BY ANOTHER CONTROLLER			x x x x	Ø5/18/8?
д1.3.7.7	EVALUATE FEASIBILITY OF RELEASING AIRSPACE TEMPORARILY			x   x   x   x	05/18/87
A1.3.7.8	RECEIVE NOTIFICATION OF RETURN OF RELEASED AIRSPACE	V	T T	xxxx	02/25/88
A1.3.8	REQUESTING TEMPORARY RELEASE OF AIRSPACE			x x x x	Ø5/18/87
A1.3.3.1	REQUEST TEMPORARY USE OF AIRSPACE	v   M	cs	xxxx	05/18/87
41.3.8.2	RECEIVE RELEASE/ USE OF AIRSPACE	v	CS	xxxxx	Ø5/Ø6/87
A1.3.8.3	RECEIVE REJECTION OF USE OF AIRSPACE	V		xxxx	05/18/87
A1.3.8.4	FORWARD NOTICE OF RETURN OF RELEASED AIRSPACE	V	СЅ	xxxx	04/07/88
A1.4	ROUTE OR PLAN FLIGHTS			x x x x	05/18/8
Δ1.4.1	PLANNING CLEARANCES			xxxx	05/18/8
A1.4.1.1	RECEIVE CONTROLLER NOTICE ON REQUESTED CLEARANCE OF AIRCRAFT LEAVING HIS SECTOR	V		x   x   x	Ø5/18/8
A1.4.1.2	RECEIVE CLEARANCE REQUEST FROM ATCT/ FSS/ PILOT/ SUPERVISOR	V	SFPT	x x x x	Ø5/18/8
Δ1.4.1.3	RECEIVE CONTROLLER REQUEST FOR CLEARANCE/ APPROVAL	V		x x x x	Ø5/18/8
A1.4.1.4	FORWARD CLEARANCE REQUEST TO ANOTHER CONTROLLER	V		x x x x	05/18/8
A1.4.1.5	REQUEST CLEARANGE/ APPROVAL FROM ANOTHER CONTROLLER	V   M		x x x x   x	05/18/8
A1.4.1.6	RECEIVE CLEARANCE APPROVAL/ CLEARANCE RESTRICTIONS FROM ANOTHER CONTROLLER	V	T	xxxx	Ø5/Ø6/8
Λ1.4.1.7	RECEIVE CLEARANCE DISAPPROVAL/ DENIAL FROM ANOTHER LUNTROLLER	V		x x x x	Ø5/18/0

Task Number	Task Statement	Coordination Media	Coordinatees	Transition State	Revision Date
		Voice Function Mail Automated Coord.	ACF Controller Area Supervisor Area Manager Filght Service Iraffic Management Mission Coordinator Mission Coordinator Miteorologist Filot Tower Controller/Sup Comerai Flow Control Base Operation Other Coordination	1888 1748 ACC AERA 1 AERA 2 AERA 3	
41.4.1.8	RECEIVE ALTERNATE SUGGESTION FOR CLEARANCE/ APPROVAL REQUESTED OF ANOTHER CONTROLLER	V	С	x x x x	Ø5/18/87
A1.4.1.9	RECEIVE COMPUTER-GENERATED REMINDER NOTICE ON CLEARANCE				Ø5/18/87
A1.4.1.10	REVIEW POTENTIAL IMPEDIMENTS FOR IMPACT ON PROPOSED CLEARANCE			x x x x	Ø5/18/87
A1.4.1.11	DEJERMINE APPROPRIATE MENTAL OR AUTCMATED PLAN FOR AIRCRAFT CLEARANCE			x	Ø5/18/87
A1.4.1.12	DISCUSS CLEARANCE ALTERNATIVEL: WITH PILOT	v	P	xxxx	Ø5/18/87
A1,4,1.13	EVALUATE FUE CHANCES FOR CLEARANC! PLANNING OR FUTURE ACTIONS				Ø5/18/87
A1.4.1.14	DETERMINE PRIORITY OF CONTROL ACTIONS			XXXX	Ø5/18/87
A1.4.1.15	PERCEIVE NEED FOR AMENDED CLEARANCE			xxxx	Ø5/18/87
A1.4.1.16	FORMULATE CONTROLLER PLAN OF ACTION FOR CLEARANCE GENERATION			xxxx	Ø5/18/87
A1,4,1,17	EVALUATE MENTAL FLIGHT PLAN PROJECTION FOR APPROPRIATENESS			x x x x	Ø5/18/87
A1.4.1.18	EVALUATE AUTOMATED FLIGHT PLAN PROJECTION FOR APPROPRIATENESS				06/30/8
A1.4.2	RESPONDING TO CONTINGENCIES			xxxx	Ø5/18/8
A1,4.2.1	DECLARE EMERGENCY AND INVOKE CONTINGENCY PLAN	V	CS	x x x x	Ø5/11/8
A1 4.2.2	RECEIVE NOTICE OF PILOT OR AIRCRAFT HAVING A PROBLEM (E.G., OVERDUE, LOSS OF RADIO CONTACT)	V	CS F PT B		Ø2/23/8
A1.4.2.3	ISSUE INSTRUCTIONS TO PILOT (NOROO) FOR IDENTIFICATION TURN/ TRANSPONDER RESPONSE	v	P	x x x x	05/20/8
A1.4.2.4	DETECT A PILOT OR *IRCRAFT PROBLEM (E.G., HYPOXIA, EXCEPIION BEACON COUL)	v		xxxx	05/18/8
A1.4.2.5	FORWARD CONTINGENCY INFORMATION TO SUPERVISOR/ ANOTHER CONTROLLER	V	CS	X X X X	Ø5/18/8

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Task Number	Task Statement	Coordination Media	Coordinatees	Transition State	Date
		Voice Function Mall Automated Coord.	ACF Controller Area Supervisor Area Manger Filght Service Filght Service Alway Facility/GSC Alway Facility/GSC Alway Facility/GSC Filot Controller/Such Acromoutical Radio Base Operations Other Coordination	1555 1.485 ACCC AERA 1 AERA 2 4ERA 3	
A1.4.2.6	INFORM DESIGNATED PERSONNEL OF AIRCRAFT HAVING FLIGHT PROBLEMS	V M	S F		Ø5/19/87
A1.4.2.7	REQUEST RELAY OF INSTRUCTIONS TO PILOT (NORDO) FOR IDENTIFICATION TURN/ TRANSPONDER RECECNSE	V	CSF		02/25/88
A1.4.2.8	CONDUCT SEARCH FOR AIRCRAFT WITHOUT RADIO CONTACT	V	C S F	x x x x	05/18/87
A1,4.2.9	OBSERVE AIRCRAFT TURN/ TRANSPONDER RESPONSE FOLLOWING IDENTIFICATION REQUEST			xxxx	Ø5/18/87
A1.4.2.10	CONDUCT RADIO/ RADAR SEARCH FOR OVERDUE AIRCRAFT	V		xxxx	05/06/87
A1.4.2.11	RECEIVE SUPERVISOR NOTICE OF EMERGENCYARED AND CONTINGENCY PLAN INVOKED	V	S	x x x x	Ø5/18/87
A1.4.2.12	RECEIVE SUPERVISOR NOTICE OF EMERGENCY DELCARED AND CONTINGENCY PLAN INVOKED	V	S	X   X   X   X	Ø5/23/88
A1.4.2.13	RECEIVE NOTICE THAT SUPERVISOR WILL CONDUCT COMMUNICATIONS SEARCH FOR OVERDUE/ NORDO AIRCRAFT	V	S	X X X X	Ø2/26/88
A1.4.2.14	RECEIVE PILOT NOTICE OF EMERGENCY DECLARED	V	P	x   x   x   x	Ø5/18/87
A1.4.3	RECOGNIZING SPECIAL OPERATIONS			XXXX	Ø5/18/87
A1.4.3.1	PERCEIVE PRESENCE OF SPECIAL OPERATION			x x x x	Ø5/19/87
A1.4.3.2	RECEIVE REVIEW/ NOTICE OF SPECIAL OPERATION	V	C S T PT	x x x x	<b>31/04/80</b>
A1.4.3.3	FORWARD NOTICE OF SPECIAL OPERATIONS TO ANOTHER CONTROLLER/ SUPERVISOR	V	cs	x x x x	<b>0</b> 5/18/87
A1.4.4	REVIEWING FLIGHT PLANS			xxxx	€5/18/87
A1.4.4.1	OBSERVE NEW FLIGHT PLAN POSTING			x   x   x   x	05/18/87
A1.4.4.2	REVIEW FLIGHT PLAN FOR COMPLETENESS			xxxx	Ø5/18/87
A1.4.4.3	ENTER FLIGHT PLAN			xxxx	Ø5/18/87
A1.4.4.4	ACKNOWLEDGE NEW FLIGHT PLAN RECEIPT				<b>0</b> 5/18/87
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		Coordingtion	ASK STATEMENTS	Transition	Revision
Task Number	Task Statement	Media	Coordinatees しい なっ	State	Date
		Voice Function Mail Automated Goord.	ACF Controller Area Supervisor Area Manager Flight Service Traffic Management Mission Coordinator Pollot Antrol Follity/USC District Management Mission Coordinator Antrol Flow Controller/Super Controller/Supervisor Tower Controller/Supervisor Gentral Flow Control Base Operations Other Cocrdination	15SS TAAS ACCC AERA 1 AERA 3 AERA 3	
A1,4,4.5	REVIEW FLIGHT PLAN FOR ERRORS DATA LIST			xxxx	Ø5/18/87
41.4.4.6	SEQUENCE  RECEIVE FLIGHT PLAN FROM PILOT	v	P	x x x x	Ø5/18/87
A1.4.4.7	RECEIVE FLIGHT PLAN VERBALLY FORWARDED	VI	C   F   T   B   O	x x x x	05/18/87
A1.4.4.8	QUERY PILOT ABOUT FLIGHT PLAN	v		xxxx	05/18/87
41.4.4.9	QUERY THE RELAYER OF A FLIGHT PLAN	V M	C F BO	xxxx	05/18/87
A1.4.4.10	FORWARD FLIGHT PLAN VERBALLY	V	C F T	xxxx	Ø5/18/87
A1.4.4.11	ENTER STEREO FLIGHT PLAN			xxxxx	05/18/87
A1.4.4.12	ENTER VFR FLIGHT PLAN			x x x x	∂5/18/87
A1.4.4.13	REQUEST FLIGHT PLAN READOUT			xxxx	Ø4/3Ø/87
A1.4.4.14	ENTER SCRATCH PAD DATA IN FULL DATA BLOCK			XXX	04/04/88
A1.4.5	PROCESSING FLIGHT PLAN AMENDMENTS			x   x   x   x	05/01/87
A1.4.5.1	RECEIVE FLIGHT DATA REVISION			x   x   x   x	Ø5/18/87
A1.4.5.2	EMPHASIZE FLIGHT DATA ENTRY POSTING FOR REMINDER ACTION			xxxx	<b>0</b> 5/18/87
A1.4.5.3	ENTER FLIGHT PLAN AMENOMENT			xxxx	05/18/87
A1.4.5.4	ENTER PILOT'S POSITION REPORT IN SYSTEM			xxxx	05/18/87
A1.4.5.5	DELETE FLIGHT DATA ENTRY EMPHASIS			xxxx	Ø5/Ø1/87
A1.4.5.6	RECEIVE FLIGHT PLAN AMENDMENT VERBALLY FORWARDED	v	C F BO	xxxx	Ø5/18/87
A1.4.5.7	RECEIVE PILOT'S POSITION REPORT	v		x x x x	Ø5/18/87
A1.4.5.8	FORWARD FLIGHT PLAN AMENDMENT VERBALLY	v	C	x x x x	05/18/87
A1.4.5.9	INFORM CONTROLLER UNABLE FLIGHT PLAN AMENDMENT	V	C	xxxx	Ø5/18/87
A1.4.5.10	RECEIVE CONTROLLER ADVICE OF UNABLE FLIGHT PLAN AMENDMENT	V	c	xxxx	ñ5/18/87
A1.4.5.11	RECEIVE REQUESTED FLIGHT PLAN CHANGES	V	CS FT PT 0	xxxx	<b>0</b> 5/18/87

Task Number	Task Statement	Coordination Media	Coordinotees	Transition State	Revision Date
		Voice Function Mail Automated Ccord.	ACF Controller Area Supervisor Area Manager Flight Service Traffic Management Mission Coordinator Airway Facility/DSC Meteorologist Jower Controller/Sup Central Flow Control Base Docerations Other Coordination	1555 1745 ACCC ARRA 1 ARRA 2 AERA 3	
A1.4.5.12	ENTER REROUTING INTO A FLIGHT PLAN				06/30/87
A1.4.6	RECEIVING TRANSFER OF CONTROL/ RADAR IDENTIFICATION				Ø5/18/87
A1.4.6.1	RECEIVE HANDOFF REQUEST	V F		xxxx	Ø5/18/87
A1.4.6.2	DENY HANDOFF	V F			05/18/87
A1.4.6.3	ACCEPT VERBAL HANDOFF/ INITIATE MANUAL TRACK START	V		x   x   x   x	Ø57€5787
41.4.6.4	ACCEPT AUTOMATIC HANDOFF	F		x x x x	05/18/87
A1.4.6.5	DETERMINE THAT AIRCRAFT IS ENTERING SECTOR			x x x x	Ø5/18/87
A1.4.6.6	DETERMINE RESPONSE TO HANDOFF REQUEST			x x x x	05/18/87
A1.4.6.7	RECEIVE CONTROL OF AIRCRAFT	v M		XXXX	05/18/87
A1.4.6.8	REQUEST TRANSFER OF CONTROL	V		xxxx	05/18/8
A1.4.7	INITIATING TRANSFER OF CONTROL/ RADAR IDENTIFICATION			x x	05/18/87
A1.4.7.1	INITIATE HANDOFF FUNCTION	F	T		05/18/87
A1.4.7.2	OBSERVE AUTOMATIC INITIATION OF HANDOFF			xxxx	Ø5/18/8
A1.4.7.3	RETRACT HANDOFF	VF		x x x x	Ø5/18/87
A1.4.7.4	RECEIVE HANDOFF ACCEPTANCE	VF	Т	x x x x	Ø5/18/8
A1.4.7.5	DISCUSS TRANSFER OF CONTROL WITH OTHER CONTROLLER	V	С	x   x   x	05/18/8
A1.4.7.6	INITIATE VERBAL HANDOFF	v		xxxx	05/18/8
A1.4.7 7	RECEIVE REQUEST FOR TRANSFER OF CONTROL	V		x x x x	05/18/8
A1.4.7.8	DETERMINE THAT AIRCRAFT IS LEAVING SECTOR			xxxx	Ø5/18/8
д1.4.7.9	DETECT MANUAL HANDOFF MODE INDICATION			xxxx	05/18/8
A1.4.7.10	REQUEST TRANSFER OF FLIGHT PLAN DATA TO ANOTHER FACILITY			xxxxx	<i>3</i> 5/18/8
A1.4.7.11	INFORM CONTROLLER OF ANY CONDITIONS AFFECTING TRANSFER OF CONTROL			x x x x	Ø5/18/8

DOT/FAA/AP-87-01(VOL#2) 6 July 1987

Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owne		Coordination	Coordinatees	\ \ \ \ \ \
isk Number	Tosk Stalement	volce Function Ban Mail Automated Coord.	ACE Controller Area Supervisor Area Hanager Filght Service Mission Coordinator Alway Facility/DSC Meteorologist Plower Controller/Sup Central Flow Control Aeronautical Radio	1555 1785 4000 AERA 1 AERA 2 AERA 3
Δ1,4,7,13	DETERMINE RESPON POINTOUT  ISSUING CLEARANCE SELECT TRIAL PLATING INPLEMENTATION  APPROVE CLEARANT REQUEST  SUGGEST CLEARANT ALTERNATIVES TO HITH APPROPRIATIONS  18.4 FORMULATE A CLIMITH APPROPRIATIONS  18.5 LESSUE CLEARANCE INSTRUCTIONS	V F V F V F V F V F V F V F V F V F V F	C	X   X   X   X   X   X   X   X   X   X

lask Number	Task Statement	Coundination Media	Coordinatees	Transition State	Revision Date
		Voice Function Mail Automated Coord.	ACF Controller Area Supervisor Area Manager Flight Service Traffic Management Mission Coordinator Airway Facility/GSC Airway Facility/GSC Pliot Tower Controller/Supf Central Flow Control Base Operation Gther Ccordination	1555 1425 4000 4600 1282 1282 1283 1583	
		<u> </u>			
A1.4.10.7	VERIFY AIRCRAFT COMPLIANCE WITH CLEARANCE			x   x   x	Ø5/18/87
A1,4,10,8	QUERY PILOT REGARDING CONFORMANCE WITH CLEARANCE	V	P	x x x x	Ø5/18/87
A1.4.18.9	DENY CLEARANCE REQUEST	v M		xxxx	<b>0</b> 5/18/87
A1.4.10.10	SUGGEST ALTERNATIVE TO CLEARANCE REQUEST FROM CONTROLLER	V	C	x x x x x	05/18/87
A1.4.10.11	RECEIVE TMU-GENERATED ABSORPTION MANEUVER			x   x x	05/18/87
A1.4.10.12	ENTER ABSORPTION MANEUVER IMPLEMENTATION			x   X   X	ð4/22/87
A1,4.11	PROCESSING TRIAL PLANS				Ø5/18/87
A1,4,11,1	DETERMINE NEED FOR TRIAL PLAN				Ø5/18/87
A1.4.1).2	REQUEST SPECIFIED PLAN(S) FOR AIRCRAFT				Ø5/18/87
A1.4.11.3	RECEIVE NOTICE OF RETRIEVED TRIAL PLAN INVALIDITY				05/18/87
A1.4.11.4	REVIEW RETRIEVED PLAN(S) FOR CORRECTNESS/ APPROPRIATENESS TO TRAFFIC SITUATION				Ø5/18/87
A1.4.11.5	ENTER TRIAL PLAN				05/18/87
A1.4.11.6	ENTER TRIAL PLAN AMENDMENT				<b>0</b> 5/16/87
A1.4.11.7	REQUEST QUICK TRIAL PLANNING				<b>Ø5/Ø6/87</b>
A1.4.11.8	REQUEST TRIAL PLAN ROUTE DISPLAY				04/30/87
A1.4.11.9	EVALUATE TRIAL PLANNING RESULTS FOR CORRECTNESS/ APPROPRIATENESS TO TRAFFIC SITUATION				Ø4/3Ø/87
A1.4.11.10	FORMULATE TRIAL PLAN MENTALLY				04/30/87
A1.4.11.11	EVALUATE ALERT OF PREDICTED PROBLEM WITH SPECIFIED PLAN AGAINST FLIGHT FLAN/ TRAFFIC/ WEATHER				54/39/87
A1.4.11.12	RECEIVE ALERT OF PREDICTED PROBLEM WITH SPECIFIED PLAN				04/30/87
A1.4.11.13	RELEIVE TRIAL PLAN NOTICE OF NO CONFLICT/ RESTRICTION VIOLATION				ปั4/30/87

Task Number	lask Statement	Coordination Media	Coordinatees	Transition State	Revision Dote
		voice function Amil futomated Goord.	ACF Controller Area Supervisor Area Manager Indight Service Indight Service Indight Service Alrway Facility/DSC Mission Coordinator Alrway Facility/DSC Mission Coordinator Alrway Facility/DSC Mission Coordinator Alrway Facility/DSC Mission Coordination Centra Flow Control Ease Oberations Other Coordination	1555 7.45 4600 4600 46RA 1 46RA 2	
A1.4.11.14 A1.4.11.15 A1.4.11.16 A1.4.11.17 A1.4.12 A1.4.12.1 A1.4.12.2 A1.4.12.3 A1.4.13.1 A1.4.13.1 A1.4.13.1 A1.4.13.1 A1.4.13.8 A1.4.13.8 A1.4.13.8 A1.4.14.14 A1.4.14.1	DELETE TRIAL PLAN  ENTER TRIAL PLAN SAVE  REQUEST AIRCRAFT CONFLICT DISPLAY  REQUEST AIRSPACE CONFLICT DISPLAY  MANAGING AUTOMATED HANDOFF AND POINTOUT FEATURES  INHIBIT AUTOMATIC HANDOFF FOR ALL TRACKS OR FOR DESIGNATED TRACK  RESTORE AUTOMATIC HANDOFF FOR ALL TRACKS OR FOR DESIGNATED TRACK  RESTORE AUTOMATIC POINTOUT FOR SECTOR/ TRACK  INHIBIT AUTOMATIC POINTOUT FOR SECTOR/ TRACK  ESTABLISHING, MAINTAINING, AND TERMINATINING, AND TERMINATING RADIO COMMUNICATIONS  RECEIVE REQUEST TO CANCEL AIR TRAFFIC SERVICES  TERMINATE RADIO COMMUNICATIONS WITH AIRCRAFT  RECEIVE ARRIVAL MESSAGE  DETERMINE FREQUENCY IN USE BY RECEIVING SECTOR  ISSUE CHANGE OF FREQUENCY TO PILOT  RECEIVE INITIAL 'ADIO CONTACT FROM PILOT  ISSUE ALTIMETER SETTING VERIFY AIRCRAFT ALTITUDE  ESTABLISHING/ REESTABLISHING RADAR IDENTIFICATION  OBSERVE TARGET ENTERING RADAR COVERAGE  INFORM PILOT THAT RADAR CONTACT IS ESTABLISHED		P P P P P P P P P P P P P P P P P P P		84/38/87 84/38/87 84/38/87 84/38/87 85/18/87 85/18/87 85/18/87 85/18/87 85/18/87 85/18/87 85/18/87 85/18/87 85/18/87 85/18/87 85/18/87 85/18/87 85/18/87

DOT/FAA/AP-87-01(VOL#2) 6 July 1987

ïask Number	Task Statement	Cour dination Media	Coordinates	Transition State	Revision Date
		Voice Function Mail Automated Coord.	ACF Controller Area Supervisor Area Manager Finith Service Finith Service Mission Coordinator Airway Facility/OSC Octroller Controller/Supparation Other Coordination	1555 1645 ACCC AERA 1 AERA 2 AERA 3	
A1.4.14.3	CONDUCT RADAR ICENTIFICATION PROCEDURES	v	F. III	x x x x	đ2/24/88
A1.5	ASSESS WEATHER IMPACT			x x x x	05/18/87
41.5.1	RESPONDING TO SIGNIFICANI WEATHER INFORMATION			xxxx	05/18/87
A1.5.1.1	OBSERVE DISPLAY OF WEATHER LINE/ INTENSITY/ BASE/ HEIGHT/ MOVEMENT			xx	Ø6/3Ø/87
A1.5.1.2	DETECT A&M ALERT				Ø6/3Ø/87
41.5.1.3	RECEIVE WEATHER BRIEFING FROM MCTEOROLOGIST	V		x x x x	Ø5/18/87
41.5.1.4	ENTER PIREP INTO SYSTEM			x   x   x	06,/30/8
A1.5.1.5	DETERMINE WHETHER ANOTHER CONTROLLER OR PILOT NEEDS WEATHER ADVISORY			X X X X X	05/18/8
A1.5.1.6	DETERMINE WEATHER IMPACT ON ROUTES/ FLOW			xx	Ø6/3Ø/8
A1.5.1.7	DETERMINE ALTITUDE/ ROUTE CHANGE TO BYPASS SEVERE WEATHER				82/25/8
A1.5.1.8	RECEIVE PIREP ON WEATHER	VF	C	x x x	06/30/8
A1.5.1.9	ISSUE WEATHER/ ADVISORY/ UPDATE TO PILOT/ ANOTHER CONTROLLER	V	C P T	x x x x	Ø5/Ø6/8
A1.5.1.10	INFORM SUPERVISOR/ TMC OF WEATHER IMPACT ON ROUTES/ FLOW	V			Ø5/Ø6/S
A1.5.1.11	REQUEST WEATHER INFORMATION	V	C	x   x x	81/84/
A1,5.1.12	RECEIVE WEATHER ADVISORY FROM ANOTHER CONTROLLER/ SUPERVISOR/ METEOROLOGIST	v     m	C S W T	x   x   x   x	<b>35/18/</b>
41.5.1.13	RECEIVE CONTROLLER REQUEST FOR WEATHER INFORMATION	V			Ø5/18/
A1.5.1.14	FORWARD WEATHER INFORMATION TO SUPERVISOR/ METEOROLOGIST	v	S	x x x x	05/06/
A1,5.1.15	RECEIVE NEW ROUTING FOR WEATHER AVOIDANCE FROM SUPERVISOR/ TMC		S T		06/30/
A1.5.1.16	BROADCAST RECORDED WEATHER INFORMATION	v	P	x x x x	Ø5/18/

			IASK STATEMENTS	المساعدين والمراجع	_
Task Number	i.ak Statement	Coerdination Media	Coordinatees	Transition State	Revision Date
		Voice Function Mail Autorated Goord.	4CF Controller Area Supervisor Area Banayer Flion, Service Indfitc Banagement Mission Gordinator Alway Facility/OSC Pilot Tower Controller/Sup Central Flow Control Sass Operations Girner Coordination	15S: 1745: 4000 467.4 1 467.8 2 467.8 2	
A1.5.1.17	EVALUATE IMPACT OF NEW A&M CONDITION				06/ <b>3</b> 0/87
41.5.1.18	REQUEST SUPERVISOR/ TMC TO RELEASE AIRSPACE	V		xxxx	£1/04/80
41.5.1.19	REQUEST SUPERVISOR/ TMC TO DEFINE ATC AIRSPACE	V M		x x	Ø5/18/87
41.5.1.20	ACKNOWLEDGE A&M ALERT			x xx	Ø6/3Ø/87
A1.5.1.21	FORWARD URGENT PIREP TO DIHER CONTROLLER	VI F M	Ti	x x x x	Ø5/23/88
A1.5.1,22	ENTER AIRPORT ENVIRONMENTAL DATA INTO SYSTEM				04/04/88
41.5.2	PROCESSING WEATHER REPORTS			x x x x	05/18/87
41.5.2.1	RECEIVE AIRPORT SPECIFIC NOTAM	V		XXXX	05/23/88
A1.5.2.2	RECEIVE WEATHER REPORT UPDATE (E.G., HOURLY SURFACE OBSERVATION)	V F M		xxxx	62/24/88
A1.5.2.3	DETERMINE WHETHER USABLE FLIGHT LEVEL HAS CHANGED			X   X   X   X   X   X   X   X   X   X	ชี6/3ฮี/67
A1,5,2,4	DETERMINE WHETHER RUMWAY CONDITIONS HAVE CHANGED			xxxx	05/18/87
A1.5.2.5	DETERMINE WHETHER CONTROL ZONE IS IFR/ VFR			xxxx	02/24/88
A1.5.2.6	REVIEW ATIS VOICE RECORDING			x x x x	Ø5/18/87
A1.5.2.7	FORWARD RUNWAY USE DATA	V	SIT	xxxx	06/30/87
A1.5.2.8	RECEIVE GENERAL NATURE NOTAM	V F M	S    T	x x x	02/25/88
A1.5.2.9	RECEIVE RUNWAY USE DATA	V F M		x x x	Đ2/24/88
A1.5.2.10	DETECT AIRPORT ENVIRONMENTAL DATA ALERT			x x x	06/30/87
A1,5.2.11	DETERMINE FAULTY AIRPORT ENVIRONMENTAL SENSOR			x x x	06/30/87
A1.5.2.12	ENTER AIRPORT ENVIRONMENTAL SENSOR DATA OVERRIDE				06/30/87
A1.5.2.13	RECEIVE NOTICE OF FAULTY AIRPORT ENVIRONMENTAL SENSOR	V		x x x	06/30/87
A1.5.2.14	REVIEW DISPLAYED WEATHER INFORMATION			xx	06/30/87
A1.6	MANAGE SECTOR/ POSITION RESOURCES			x x x x	02/25/88

			IASK STATEMENTS		<del></del>
Task Number	Task Statement	Caard.mation	Coordingtees	Transition State	Revision Date
		fulce Function Mail Automalei Coord	acr Controller Area Supervisor Area Supervisor Area Supervisor Alight Service Irafic Musagement Airway Facillty/DSC Peterologist Vilot Cower Controller/Supervisor Section Flow Control Aeronautical Falso Base Operation Other Coordination Other Coordination	1555 1725 1725 1868 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		. 1			
41.6.1	BRIEFING RELIEVING CONTROLLERS			x x x x	75/18/87
A1.6.7.1	BRIEF RELIEVING CONTROLLER	<b>v</b>	. ! ,  C	x x x x	J5/18/87
41.6.1.2	SIGN OFF AT CONSOLE			x x x x.	05/18/87
A1.6.1.3	VERIFY COMPLETENESS OF RELIEF BRIEFING RECCIPT			x x x x	85/18/87
A1.6.2	ASSUMING POSITION RESPONSIBILITY			X X X X	05/20/87
A1.6.2.1	REVIEW SYSTEM STATUS TO DETERMINE CURRENCY/ UPDATE SELF				<b>0</b> 7/07/88
A1.6.2.2	REVIEW CURRENT AND PROJECTED TRAFFIC STATUS/ WEATHER				06/3 <b>0</b> /67
A1.6.2.3	VERIEV THAT ALL REQUIRED PARAMETERS ARE IN PROPER LOCATION			x x x x	95/ 18/87
41.6.2.4	SIGN ON AT CESIGNATED CONSCLE			x x x x	85/18/87
41.6.2.5	ADJUST WORKSTATION TO PERSONAL PREFERENCE				ð5/18/87
41.6.2.6	CHECK WORKSTATION FOR PROPER CONFIGURATION, USABILITY, AND SATISFACTORY STATUS			X X X X	ø5/18/87
A1.6.2.7	SET UP WORKSTATION ADAPTATION PARAMETERS			xxxx	Ø5/18/87
A1.6.2.S	REVIEW BRIEFING CHFCKLIST/ MOTES TO ASSURE COMPLETENESS OF BRIEFING COVERAGE			X X X X	ð5/18/87
A1.6.2.9	REQUEST IMPLEMENTATION OF PROGRAMMED PERSONAL PREFERENCE ADJUSTMENTS			xxxxx	Ø5/18/87
A1.6.2.10	DETERMINE IF READY TO ACCEPT CONTROL RESPONSIBILITY			x   x   x   x	<b>35/18/8</b> 7
41.6.3	RESPONDING TO TRANSIENT COMPUTER FAILURES			xxxx	<b>85 /19/87</b>
A1.6.3.1	DETECT NON-ACCEPTANCE OF INPUT DATA			xxxxx	Ø5/18/87
A1.6.3.2	INFORM SUPERVISOR OF TRANSIENT EQUIPMENT FAILURE	V		x x x x	05/18/87
A1.6.4	EXECUTING BACKUP PROCEDURES FOR SECTOR SUITE FAILURES				<b>8</b> 5/18/8?
A1 5.4.1	DETECT OCCURRENCE OF SECTOR SUITE FAILURE				05/18/87

Task Number	Task Statement	Coordination Media	Coordinatees	Transition State	Revision Dațe
		Voice Function Mail Automated Coord.	ACF Controller Area Supervisor Area Supervisor Area Filght Service Traffic Management Mission Coordinator Meteorologist Filot Tower Controller/Sup Central Flow Control Bass Coordination Other Coordination	15SS 7AAS ACCC AERA 1 AERA 2 AERA 5	
A1.6.4.2	OBSERVE SECTOR SUITE DATA BASE RESTURATION			xxxx	<b>05/18/</b> 87
A1.6.4.3	COMPLETION MESSAGE FORWARD NOTICE OF	v     mi	CS FT PT	xxxx	Ø5/18/87
A1.6.4.4	RECEIVE STATUS  RECEIVE STATUS OF SECTOR SUITE FAILURE FROM CONTROLLER/ SUPERVISOR	villmi	cis	x x x x	Ø6/ <b>3</b> Ø/87
A1.6.4.5	REQUEST SPECIFIED DISPLAY DATA BE PRESENTED ON AND CONTROLLED AT A SPECIFIC COMMON CONSOLE			xxxx	Ø5/17/88
41.6.5	EXECUTING BACKUP PROCEDURES FOR ACCC FAILURES				Ø5/18/87
A1.6.5.1	DETECT OCCURRENCE OF ACCC FAILURE				J5/18/87
A1.6.5.2	REVERT TO ACCC BACKUP PROCEDURES (TBD)	V	S		Ø5/18/87
A1.6,5.3	REVERT TO ACCC EMERGENCY MODE PROCEDURES (TBD)	v	S		Ø5/18/87
A1.6.5.4	VERIFY COMPUTER ACTION DURING TRANSITION STAGES	V	S A A	x x x x	Ø6/ <b>3</b> Ø/87
A1.6.5.5	REVERT TO ACCC REDUCED CAPABILITY MODE PROCEDURES (TBD)	V	S		ช5/18/87
A1.6.5.6	RECEIVE CONFIRMATION OF COMPUTER ACTION DURING TRANSITION STAGES	V	C S A T	x x x x	Ø6/3Ø/87
A1.6.6	EXECUTING BACKUP NAVAID PROCEDURES			x x x x	Ø5/18/87
A1 6.6.1	DETERMINE AIRCRAFT NEEDING SUBSTITUTE ROUTING			X X X X   X	05/18/87
A1.6.6.2	REVIEW STATUS OF QUESTIONABLE NAVAID	V F	S F P P O	x   x   x	04/07/88
A1.6.6.3	CBSERVE SUBSTITUTE ROUTING ON DISPLAY			x   x   x	02/25/88
A1.6.6.4	RECEIVE NOTICE OF NAVAID STATUS	V	C'S F PT	x   x   x	Ø5/18/87
A1.6.6.5	RECEIVE SUBSTITUTE ROUTING	V M		x x x x	05/18/87
A1.6.6.6	RECEIVE CANCELLATION OF SUBSTITUTE ROUTING	V		xxxxx	Ø5/18/87
A1.6.6.7	FORWARD NAVAID STATUS TO ANOTHER CONTROLLER/ SUPERVISOR/ PILOT	V	C 3 PT	x x x x x	Ø5/18/8 <i>7</i>

Task Number	Task Statement		dination edia	Coordinatees		sition cote	Revision Date
		Voice Function	Mail Automated Coord.	ACF Controller Area Supervisor Area Manager Fligh Service Traffic Management Mission Coordinator Ariway Facility/DSC Mitorologist Tower Controller/Sup Gentral Flow Control Aeronautical Radio Base Operations Other Coordination		AERA 1 AERA 2 AERA 3	
A1.6.6.8	FORWARD SUBSTITUTE	V. F	M	C			06/09/88
A1.6.6.9	DELETE PREVIOUS SUBSTITUTE ROUTING	V F	M	С		x	06/09/88
A1.6.6.10	DISCUSS APPROPRIATENESS WITH SUPERVISOR OF RELEASING EQUIPMENT TO MAINTENANCE	>		S		X	05/18/87
A1.6.5.11	REVIEW NEED/ CANCELLATION OF SUBSTITUTE ROUTING WITH SUPERVISOR	v		s		x	05/20/87
A1.6.6.12	RECEIVE SUPERVISOR NOTICE OF EQUIPMENT RELEASED TO MAINTENANCE	V	М	S		X	05/18/87
A1.6.6.13	ENTER REPETITIVE SUBSTITUTE ROUTING FOR MULTIPLE FLIGHTS				X	X	04/64/38
A1.6.6.14	ENTER MESSAGE TO CREATE ROUTE SUBSTITUTION FOR AIRCRAFT					x	Ø4/Ø4/88
A1.6.6.15	ENTER MESSAGE TO DELETE A ROUTE SUBSTITUTION					x	04/04/88
A1.6.7	EXECUTING BACKUP PROCEDURES FOR COMMUNICATION FAILURES				xxx	X	05/ 8/87
A1.6.7.1	DETECT COMMUNICATION FAILURE					x X	Ø5/11/87
A1.6.7.2	FORWARD ALTERNATE CCMMUNICATION PATH	v	M	C S T	x x x	x X	Ø5/18/c7
A1.6.7.3	RECEIVE NEW FREQUENCY ASSIGNMENT	v	M	S		(x)	ø5/18/87
A1,6.7.4	FORWARD NOTICE OF COMMUNICATION STATUS	v	M				05/18/87
A1.6.7.5	FORWARD NEW FREQUENCY /SSIGMENT TO ANOTHER CONTROLLER/ SUPERVISOR/ PILOT	v	M	CIS		(x	Ø4/Ø4/88
A1.G.7.6	RECEIVE NOTICE OF ALTERNATE COMMUNICATION PATH	V	M	CS		(x	05/18/87
A1.6.8	MANAGING PERSONAL WORKLOAD					x x	Ø5/18/87
A1.6.8.1	DETERMINE IMPENDING CONTROLLER OVERLOAD					x x	05/18/87
A1.6.8.2	EVALUATE WORKLOAD FACTORS NOT INCLUDED IN AUTOMATED INFORMATION					X X	Ø6/3Ø/87
A1.6.8.3	REQUEST ASSISTANCE OR RELIEF	v	M		x x	x x   x	Ø5/18/87
A1.6.8.4	REQUEST FLOW CONTROL BE	v	M	S		x x x	Ø4/22/87

			ASK STATEMENTS		
<sup>T</sup> ask Number	Task Statement	Coordination Media	Coordinatees	Transition State	Revision Date
		Voice Function Mail Automated Coord.	ACF Controller Area Supervisor Area Manager Filght Service Iraffic Managent Mission Coordinator Arway Facility/OSC Meteorologist Pilot Tower Controller/Sup Central Flow Control Aeronautical Radio Base Operations Other Coordination	1555 17A5 17A5 4000 46RA 1 46RA 2 46RA 3	
A1.6,8.5	REQUEST SECTOR WORKLOAD PREDICTIONS			xi	<b>0</b> 5/18/87
A1.6.8.6	EVALUATE SECTOR MORXLOAD PREDICTIONS			x <sub>i</sub>	Ø5/1 <b>5</b> /87
A1.6.9	PERFORITING PROCEDURES FOR NON-RADAR ENVIRONMENT			x x x x	Ø5/18/87
41.6.9.1	INFORM PILOT OF RADAR CONTACT LOST	V		x x x x	05/18/87
A1.6.9.2	REASSOCIATE DATA BLOCK			x x <sub>i</sub> x <sub>i</sub> x <sub>i</sub>	05/18/87
A1.6.9.3	OBSERVE DATA BLOCK NOT ASSOCIATED WITH TARGET			x x x x	05/18/87
A1.6.9.4	TERMINATE RADAR SERVICE TO AIRCRAFT	V		x x x x	Ø5/18/87
A1.6.9.5	INITIATE USE OF NON-RADAR SEPARATION STANDARDS			x x x x	a5/18/87
A1.6.9.6	SUPPRESS FLIGHT PLAN EXTRAPOLATION FOR A TRACK			x x x	05/18/87
A1.6.9.7	INITIATE USE OF RADAR SEPARATION STANDAROS			x x x x x	<b>0</b> 5/18/87
A1.6.9.8	REQUEST PILOT POSITION REPORTS	vi		x x x x	Ø5/18/87
A1.6.9.9	OBSERVE RETURN OF NORMAL RADAR ENVIRON•ENT			X X X X	<b>8</b> 7/87/88
A1.6.9.10	OBSERVE AIRCRAFT TRACK IN COAST MODE			x x x x	Ø5/25/88
A1.6.10	EXECUTING BACKUP PROCEDURES FOR LOSS OF FLIGHT PLAN DATA BASE			x x x x	<b>0</b> 5/18/87
A1.6.10.1	OBSERVE MESSAGE ON LOSS OF FLIGHT PLAN DATA BASE				Ø5/12/88
A1.6.10.2	OETECT FAILURE TO UPDATE FLIGHT PLAN DATA BASE				Ø5/18/87
A1.6.18.3	ENTER DISPLAY AMENOMENT MESSAGE ON CONSOLE			x x x x	05/18/87
A1.6.10.4	ENTER FLIGHT PLAN ON CONSOLE			x x x x	Ø5/18/87
A1.6.10.5	VERIFY FLIGHT PLAN DATA BASE TRANSITION ACTIVITIES	V	S	x x x x	Ø5/18/87
A1.6.11	RESPONDING TO TRANSIENT VSCS FAILURES			xxxx	Ø5/18/87
A1.6.11.1	DETECT UNRELIABLE VSCS COMMUNICATION			x x x x	Ø5/19/87

Г			Coordination	ASK STATEMENTS	Transition	Revision
-	Tosk Number	Task Statement	Media	Coordinatees	State	Date
			voice Function Mail Automated Goord.	ACF Controller Area Supervisor Area Manager Flight Service Traffic Management Mission Coordinator Mission Coordinator Meteorologist Pliot Tower Cortroller/Sup Central Flow Control Aconautical Radio Base Operations Other Coordination	1555 1748 ACCC AERA 1 AERA 2 AERA 2	
	41.6.11.2	QUERY WHETHER OTHERS ARE RECEIVING AN AIRCRAFT'S TRANSMISSIONS	V MI		xxxx	Ø5/18/87
	A1.6.11.3	ISSUE ALTERNATE COMMUNICATION FOR AIR/ SROUND TRANSMISSION	V	P	x, x   x   x	Ø2/25/88
	A1.6.11.4	RECEIVE NOTICE OF TRANSIENT COMMUNICATION FAILURE	v M	S	xixixixi	05/18/87
	41.6.12	RESPONDING TO AIRSPACE RECONFIGURATIONS/ RESECTORIZATIONS			xxxxx	Ø6/22/87
	A1.6.12.1	RECEIVE NOTICE TO TAKE OVER AIRSPACE	V    M	Si I I I I I I I I I I I I I I I I I I I	X X X X	Ø5/18/87
	A1.6.12.2	RECEIVE NOTICE TO PREPARE FOR SECTOR RECONFIGURATION	V F M	S	XXXX	05/24/88
	A1.6.12.3	RECEIVE NOTICE TO RELEASE AIRSPACE	VI	S	x x x x	Ø5/18/87
	A1.5.12.4	RECEIVE NOTICE THAT ACJACENT FACILITY IS OPERATIVE	vi i i mi i	C:S:     T		đ5/18/87
	A1.6.12.5	RECEIVE NGTICE THAT ADJACENT FACILITY IS INOPERATIVE	V			Ø5/18/87
	A1.5.12.6	ENTER RECONFIGURATION/ RESECTORIZATION ACCEPTANCE			x x x x x   x	07/07/88
	A1.6.15	RESPONDING TO SENSOR CUTAGES			x x x x	Ø5/18/87
	A1.6.13.1	RECEIVE NOTICE OF RADAR SENSOR STATUS	V	C S A A T	x x x x x   x	Ø5/19/97
	A1.6.13.2	RECEIVE PROCEDURES TO BE USED TO ACCOMMODATE SENSOR OUTAGE	V     M	C S   T	x x x x	Ø5./18/8;
	A1.6.13.3	PERCEIVE TRACKING OR TRANSPONDER FAILURE			x   x   x	Ø5/2 <b>6</b> /87
	A1,6.13.4	FORWARD NOTICE OF KAUAR SENSOR STATUS TO ANOTHER CONTROLLER/ SUPERVISOR	VI   M	C S	xxxx	<b>04/22/</b> 87

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# APPENDIX B (continued)

# EVENT TO SUB-ACTIVITY TRACE

ACF CONTR	OLLER SUB-ACTIVITIES	(VOLUME I, APPENDIX A) RELATED ACF CONTROLLER EVENT
A1.1.1	CHECKING AND EVALUATING SEPARATION	(MOST ALL EVENTS)
A1.1.2	RECEIVING SYSTEM STATUS INFORMATION	ACCC FAILURE, COMMUNICATION FAILURE, NAVAID FAILURE, RADAR SURVEILLANCE SENSOR FAILURE, TRANSIENT COMPUTER FAILURE
A1.1.3	ANALYZING INITIAL REQUESTS FOR CLEARANCES	CLEARANCE DELIVERY
A1.1.4	PROCESSING DEPARTURE/ EN ROUTE TIME INFORMATION	CLEARANCE DELIVERY, EN ROUTE TIME
A1.1.5	PROCESSING REQUESTS FOR FLIGHT FOLLOWING	FLIGHT FOLLOWING REQUEST
A1.1.6	HOUSEKEEPING	(N/A)
A1.2.1	PERFORMING AIRCRAFT CONFLICT RESOLUTION	AIRCRAFT-AIRCRAFT CONFLICT
A1.2.2	PERFORMING MINIMUM SAFE ALTITUDE PROCESSING	MINIMUM SAFE ALTITUDE CONFLICT
A1.2.3	PERFORMING AIRSPACE CONFLICT PROCESSING	IMPENDING AIRSPACE CONFLICT
A1.2.4	ISSUING UNSAFE CONDITION ADVISORIES	CAUTION ALERT
A1.2.5	SUPPRESSING ALERTS/ RESOLUTION ADVISORIES	MILITARY TRAINING ROUTE, REFUELING/ EXERCISE/ AIRSHOW
A1.2.6	SUPPRESSING DISPLAY OF CONFLICT/ RESTRICTION VIOLATION CHECKS	CONTROLLER OVERLOAD
A1.3.1	RESPONDING TO TRAFFIC MANAGEMENT CONSTRAINTS/FLOW CONFLICTS	ENTERING/ LEAVING AIRBORNE HOLD, CHANGE FLOW PATTERN, FLOW MANAGEMENT, RUNWAY CONFIGURATION CHANGE, SEVERE WEATHER, VISIBILITY REPORT, WIND SHEAR REPORT

A1.3.2	PROCESSING DEVIATIONS	FLIGHT PLAN DEVIATION
A1.3.3	RESPONDING TO SPECIAL USE AIRSPACE EVENTS	ALTRY/ AIRSPACE RESERVATION, SPECIAL USE AIRSPACE
A1.3.4	ESTABLISHING ARRIVAL SEQUENCES	CLEARANCE REQUEST, ENTERING/ LEAVING AIRBORNE HOLD, CHANGE FLOW PATTERN, RUNWAY CONFIGURATION CHANGE, SEQUENCING REQUIRED
А1.3.5	MANAGING DEPARTURE FLOWS	CLEARANCE REQUEST, ENTERING/ LEAVING AIRBORNE HOLD, FLIGHT PLAN CONFLICT, CHANGE FLOW PATTERN, RUNWAY CONFIGURATION CHANGE
A1.3.6	MONITORING NON-CONTROLLED OBJECTS	AIRSPACE INTRUSION BY NON-CONTROLLED OBJECT, BALLGON/GLIDER
A1.3.7	RESPONDING TO TEMPORARY RELEASE OF AIRSPACE REQUESTS	IMPENDING AIRSPACE CONFLICT, AIRSPACE RELEASE
A1.3.8	REQUESTING TEMPORARY RELEASE OF AIRSPACE	IMPENDING AIRSPACE CONFLICT, AIRCRAFT TO EDGE OF SECTOR, AIRSPACE RELEASE
A1.4.1	PLANNING CLEARANCES	CLEARANCE DELIVERY, CLEARANCE REQUEST, VFR TCA/TRSA/ARSA, FLIGHT PLAN CONFLICT
A1-4.2	RESPONDING TO CONTINGENCIES	OVERDUE AIRCRAFT, AIRCRAFT EMERGENCY - AIRBORNE, NO RADIO, BOMB THREAT, FUEL DUMPING/ JETTISON, HIJACK, MEDICAL EMERGENCY
A1.4.3	RECOGNIZING SPECIAL OPERATIONS	ABOVE FL 600, EXPERIMENTAL FLIGHT, HAZARDOUS CARGO, INTERCEPTOR FLIGHT, LAW ENFORCEMENT, LIFEGUARD MISSION, MILITARY TRAINING ROUTE, SPECIAL INTEREST FLIGHT
A1.4.4	REVIEWING FLIGHT PLANS	FILED FLIGHT PLAN
A1.4.5	PROCESSING FLIGHT PLAN AMENDMENTS	AMENDED ALTITUDE/ ROUTE/ DESTINATION, FLIGHT PLAN CONFLICT
A1.4.6	RECEIVING TRANSFER OF CONTROL/ RADAR IDENTIFICATION	INITIAL CONTACT, AIRCRAFT TO EDGE OF SECTOR, HANDOFF RECEIPT
A1.4.7	INITIATING TRANSFER OF CONTROL/ RADAR IDENTIFICATION	
A1.4.8	ISSUING POINTOUTS	AIRCRAFT TO EDGE OF SECTOR

A1.4.9	RESPONDING TO POINTOUTS	AIRCRAFT TO EDGE OF SECTOR, AIRSPACE RELEASE, POINTOUT RECEIPT
A1.4.1Ø	ISSUING CLEARANCES	CLEARANCE DELIVERY, CLEARANCE REQUEST, VFR TCA/TRSA/ARSA, FLIGHT PLAN CONFLICT
A1.4.11	PROCESSING TRIAL PLANS	CLEARANCE REQUEST, FLIGHT PLAN CONFLICT
A1.4.12	MANAGING AUTOMATED HANDOFF AND POINTOUT FEATURES	(N/A)
A1.4.13	ESTABLISHING, MAINTAINING, AND TERMINATING RADIO COMMUNICATIONS	INITIAL CONTACT, ARRIVAL MESSAGE RECEIPT, AIRCRAFT TO EDGE OF SECTOR
	RADAR IDENTIFICATION	CLEARANCE DELIVERY, EN ROUTE TIME, FLIGHT FOLLOWING REQUEST
A1.5.1	RESPONDING TO SIGNIFICANT WEATHER INFORMATION	PIREP, SEVERE WEATHER, SIGMET/ AIRMET
A1.5.2	PROCESSING WEATHER REPORTS	CEILING HEIGHT REPORT, PRESSURE DISPLAY/ REPORT, VISIBILITY REPORT, WIND SHEAR REPORT
A1.6.1	BRIEFING RELIEVING CONTROLLERS	FACILITY CLOSURE, POSITION RELIEF
A1.6.2	ASSUMING POSITION RESPONSIBILITY	FACILITY REOPENING, POSITION RELIEF
A1.6.3	RESPONDING TO TRANSIENT COMPUTER FAILURES	TRANSIENT COMPUTER FAILURE
A1.6.4	EXECUTING BACKUP PROCEDURES FOR SECTOR SUITE FAILURES	SECTOR SUITE FAILURE
A1.6.5	EXECUTING BACKUP PROCEDURES FOR ACCC FAILURES	ACCC FAILURE
A1.6.6	EXECUTING BACKUP NAVAID PROCEDURES	NAVAID FAILURE
A1.6.7	EXECUTING BACKUP PROCEDURES FOR COMMUNICATION FAILURES	COMMUNICATION FAILURE
A1.6.8	MANAGING PERSONAL WORKLOAD	SECTOR SUITE FAILURE, CONTROLLER OVERLOAD
A1.6.8	MANAGING PERSONAL WORKLOAD  PERFORMING PROCEDURES FOR NON-RADAR ENVIRONMENT	

DOT/FAA/AP-87-Ø1(VOL#2) 6 July 1987

A1.6.1Ø	EXECUTING BACKUP PROCEDURES FOR LOSS OF FLIGHT PLAN DATA BASE	FLIGHT PLAN DATA BASE FAILURE
A1.6.11	RESPONDING TO TRANSIENT VSCS FAILURES	TRANSIENT COMMUNICATION FAILURE
A1.6.12	RESPONDING TO AIRSPACE RECONFIGURATIONS/ RESECTORIZATIONS	AIRSPACE RELEASE, FACILITY CLOSURE, FACILITY REOPENING, CONTROLLER OVERLOAD
A1.6.13	RESPONDING TO SENSOR OUTAGES	RADAR SURVEILLANCE SENSOR FAILURE

# APPENDIX C

### USER INTERFACE LANGUAGE

The User Interface Language (UIL) includes a data object hierarchy comprised of Logical Display Contents (i.e., User Display Language) and Input Messages (i.e., User Input Language). The Logical Display Contents refer to messages output to the controller at the Sector Suite workstation in the Advanced Automation System with AERA 1 functionality. These messages are output to the controller in the form of graphical displays, alphanumeric displays, and alerts/alarms or other signals for controller attention. The Input Messages refer to data and control messages entered by the controller to the system. This listing excludes messages not used by the ACF domestic (non-oceanic) controller, and non-operational messages such as those related to training. Reference Volume I, Section 3.3.

# SECTOR SUITE LOGICAL DISPLAY CONTENTS

Table C-1 presents the Sector Suite Logical Display contents. Following are the notations employed in Table C-1:

=		Is defined as		
or	=	Exclusive "or"		
and	=	And		
( )	=	Message items form a group		
{ }	=	Multiple iterations of a message item. Numbers added in the form $X\{ \} Y$ indicate at least X but not more than Y iterations of the message. By default, $X = 0$ and $Y = no$ upper limit defined.		
[ ]	=	Optional item (displayed or not displayed at controller's choice)		
^ ^	=	Mandatory message item if applicable		
* *	=	Comment		
@	= Reference:			
		SL.S	=	Advanced Automation System, System Level Specification, 28 August 1987 [21] (Citations are by AP paragraph)
		Task Analysis	=	Derived by task analysis
		ARTS Functionality	=	Inclusion of present ARTS functionality
		FAA Academy TEM-17-1 142	=	Weather for Air Traffic Control, April 1987

#### Table C-1. Logical Display Contents

NOTE: The symbols i and \* are used to reflect substantive and nonsubstantive changes respectively.

```
Data_Display =
          Situation_Display
          Flight Data Display
          Aeronautical And Meteorological Data Display
     or
          Alert_And_Resolution_Display
     or
          Special_Lists
     or
          Message Composition And Response Display
     or
          Airport Environmental Data Display *radar approach control*
     or
          System Status Data Display
     or
          Static Information_Display
     or
          Weather Display
     or
          Sector_Workload_Display
     or
          Controller_Notepad_Display
     or
          AERA Alert Display
     or
          Suppressed_Display_List_Display
     or
          SLS 3.7.1.2.1.1.X, 3.7.1.2.2, Table 3.7-8
          VSCS_Display
     or
          SLS 3.2.2.1.9.2.1.2
Situation Display =
         (Target/Track Descriptor)
     and (Weather_Descriptor)
     and (Background Descriptor)
     and (Conflict Resolution_Advisory)4
          SLS 3.7.1.2.1.1.1.X, 3.7.1.2.1.1.1.9
     and [Flight_Plan_Conflict/Trial_Plan_Display]
          SLS 3.7.1.2.1.1.1.16
     and (Slant Range_Indicator *to support approach control Situation
               Display requirements*
          Ground Range Indicator)
     or
          SLS 3.7.1.1.3.2.6, 3.7.1.2.1.1.1.3
     ŵ
     and Radar_Target_Data_Alert/Display_Coding *data from other than
               selected/ preferred radar*
          SLS 3.7.1.2.1.1.3
          Time *on main display for radar controller*
          Operational_Position_Designator *radar controller*
     and
          SLS 3.7 1.2.1.1.a
          Geographic_Tagging *results of controller entered graphics and
     and
                alphanumeric strings*
          SLS 3.7.1.2.1.1.1.14
```

```
Target/Track Descriptor =
          Position_Symbol
    and [Data Block]
     and [Route Display] *graphic presentation*
     and [Position_History]
          SLS 3.7.1.2.1.1.1.3, 3.7.1.2.1.1.1.11
     and [Range/Bearing/Time/Vertical_Velocity_Readout_Data]
          SLS 3.7.1.2.1.2.1.m/o/p/q/r
     Position_Symbol =
               Target Position Symbol
             (Track_Position_Symbol *track status*
          and Track_Vector) *velocity/ distance*
          and [Hold Character] *hold list association*
               SLS 3.7.1.2.1.1.1.3, 3.7.1.2.1.1.1.3.e
          Target_Position_Symbol =
                   (Primary_Target_Class
                    Beacon Target Category)
               and Ident_Indicator
                    SLS 3.7.1.2.1.1.3.a/b
               and ^Aircraft Halo~
                    SLS 3.7.1.2.1.1.1.15
               ldent Indicator =
                         Latitude/Longitude Position Indicator
                    or
                         Callsign
                         Tabular_Line_Identifier
                    or
                         Computer Identification
                    or
                         Beacon Code
                    or
                    01,
                         Mode_S_Indicator/Mode_S_Data_Link_Indicator
                         SLS 3.7.1.2.1.1.3.au, 6.2, Task Analysis
           Track Position Symbol =
                    [Controlling_Sector/Facility]
                and [Track_Status]
               and [Handoff Indicator]
                and FDB/PDB Data
                     SLS 3.7.1.2.1.1.1.3, 3.7.1.2.1.1.1.3.c/d/f
```

# Table C-1. Logical Display Contents (Continued) Track\_Status = Nonconformance\_With\_Its\_Paired\_Flight\_Plan\_ Indicator Hold Character \*hold list association\* or ٥r Coast\_Indicator or Suspend Status Crosstell\_Status or Flight\_Plan\_Extrapolation\_Indicator or SLS 3.7.1.1.3.2.4, 3.7.1.1.3.2.6, 3.7,1.1.3.3.1.5, 3.7.1.2.1.1.1.3.d Handoff Indicator = Receiving\_Sector\_ID SLS 3.7.1.2.1.1.1.3.f Track Vector = (Track\_Velocity\_Vector Track\_Distance\_Vector) and Vector\_Type Indicator SLS 3.7.1.2.1.1.1.4 Data Block = [Leader\_Line] and (Full\_Data\_Block Limited\_Data\_Block Partial Data Block) SLS 3.7.1.2.1.1.1.3 Leader Line = [Controlling\_Sector/Facility] and [Track\_Status] SLS 3.7.1.2.1.1.1.3.c/d/r Full\_Data\_Block = Callsign and (Mode\_C\_Altitude or (Pilot-Reported Altitude and Indication\_Of\_Pilot-Reported\_Altitude)) and "Handoff\_Status/Indicator" and [Aircraft\_Type] and (Assigned Altitude Interim Altitude) and ^Altitude\_Nonconformance\_Indicator^ and [Computer Identification] and([Scratch\_Pad\_Data])3 and ^Heavy\_Jet\_Indicator^ and ^Exception\_Beacon\_Code^ and ^Conflict Alert Indicator^ and ^Minimum Safe Altitude Warning^ \*MSAW\*

```
Full Data Block (continued) =
    and ^Aircraft_Special_Condition^ *emergency, hijack,
               radio failure, suspect aircraft, etc.*
    and ^Transponder_Failure_Notice^
    and VFR_Indicator
    and([Entry/Exit_Fix]
    or [Overflight_Indicator])
    and Destination Airport
    and Ground_Speed
    and ^Pointout_Indicator^
    and ^MSAW/CA_Suppression_Indication^
    and ^Mode_S_Indicator_And/Or_Mode_S_Data_Link_Indicator^
    and `Handoff_Alert_Indication`
    and ^Lateral_Nonconformance_Indicator^
    and ^Automation Processing Suppression Indicator^
     and `Priority_Alert_Indicator`
     and Track_Status
     and Controlling_Sector/Facility_Identification
     and Automatic_Pointout_Suppression_Indicator
     and `Failure_To_Transmit_Track_Data`
          SLS 3.7.1.1.3.2.7, 3.7.1.2.1.1.3.aa-aab/c/d/f/cf
     and ^Unsuccessful_Departure_Message_Indicator^
          ARTS Functionality
     Handoff Status/Indicator =
               Receiving_Sector/Position_ID
          and (Initiated
          or
               Accepted
          or
               Retracted
               Rejected)
               SLS 3.7.1.2.1.1.1.3.ba/f, 3.7.1.2.1.2.1.a/t
     Altitude_Nonconformance_Indicator =
               Reported_Versus_Assigned_Altitude_
                    Indication
          and ^Mode_C_Reasonableness_Check_Failure_
                    Indication^
               SLS 3.7.1.2.1.1.1.3.bb
     Exception Beacon Code =
               Reported Versus Assigned Beacon Code/
                    Mode_S_Address_Di.ference
               SLS 3.7.1.2.1.1.1.3.bc
```

# Table C-1. Logical Display Contents (Continued) Pointout\_Indicator = Receiving\_Sector/Position\_ID and (Accept or Reject No Acceptance Action) or SLS 3.7.1.1.3.8, 3.7.1.2.1.1.1.3.bf/bg Handoff\_Alert\_Indication = Handoff/Pointout\_Not\_Accepted Auto\_Handoff\_Inhibited or SLS 3.7.1.1.3.2.8.2, 3.7.1.2.1.1.1.3.bi Priority\_Alert\_Indicator = Flight Plan Conflict\_Priority\_Alert and Airspace\_Conflict\_Priority\_Alert SLS 3.7.1.2.1.1.1.3.bk Partial Data Block = (Mode\_C\_Altitude or (Pilot-Reported\_Altitude and Indication Of Pilot-Reported Altitude)) and ^Handoff Status/Indicator^ and (Assigned\_Altitude Ûť. Interim Altitude) and Ground\_Speed and{[Scratch Pad Data]} and 'Heavy\_Jet\_Indicator' and Aircraft\_Type and [Overflight\_Indicator] and Destination Airport and "Aircraft Special Condition" \*emergency, hijack, radio failure, suspect aircraft, etc.\* and Track Status and Controlling\_Sector/Facility SLS 3.7.1.2.1.1.1.3, 3.7.1.2.1.1.1.3.c/d/f Limited Data Block = [Mode\_3/A\_Beacon\_Code] and ^Mode\_S\_Indicator\_And/Or\_Mode\_S\_Data\_Link\_Indicator^ and ^Mode C Altitude^ and [Ground Speed] and "Aircraft\_Special\_Condition" \*emergency, hijack, radio failure, suspect aircraft, etc.\* SLS 3.7.1.2.1.1.1.3 Route Display ^Incomplete\_Route\_Display\_Indicator^ and Planned\_Route\_Of\_Single\_Aircraft SLS 3.7.1.2.1.1.1.11

```
Range/Bearing/Time/Vertical_Velocity_Readout_Data =
              Range/Bearing Readout *distance, magnetic/ true
                    bearing, ground speed, flying time*
         or'
               Fix/Time_Readout *speed adjustment needed*
               Range/Bearing/Fix_Readout *distance, magnetic/ true
         or
                    hearing, ground speed, flying time*
               Continuous Range Readout *miles, FLID, point ID*
         or
               Vertical_Velocity_Readout
         or'
               SLS 3.7.1.2.1.2.1.m/o/p/q/r
Weather Descriptor =
        {[Graphic ATC Radar Weather]}
          SLS 3.7.1.2.1.1.1.7
    and{[RWP_Weather_Product]} *see Weather Display for product
               content*
          SLS 3.7.1.1.3.6.3, 3.7.1.2.1.1.1.8
     Graphic_ATC_Radar_Weather =
             {[Precipitation]}3 *up to 3 annotated intensity levels
                    from each radar, except ASE-9 with 6 levels*
          and [Geographic Area Filter]
               SLS 3.7.2.2.1.1.1.7, 3.7.2.1.3.1
Background Descriptor =
         (Geographic Map Data)
     and [Range Rings]
     and {Radar_Strobe}
      id [Longitudinal_Scale]
          SLS 3.7.1.2.1.1.1.2, 3.7.1.2.1.1.1.5, 3.7.1.2.1.1.1.6,
              3.7.1.2.1.1.1.13
     Geographic_Map_Data =
              (Group Of Fixes)
          and (Group Of Airways)
          and {Sector_Boundary} *grouped by altitude*
          and {Special_Use_Airspace_Boundary}
          and {Airport}
          and (Obstruction)
          and (Fix)
          and (Minimum Vector Altitude) *MVA*
          and (Military Route)
          and (Holding Pattern Airspace)
          and TBD
               SLS 3.7.1.2.1.1.1.2
          and Final_Approach_Course
          and (Navigational_Aid)
```

```
Geographic_Map_Data (continued) =
         and Lat/Long_Grid
         and ADIZ Boundary
         and (Landmass_Outline)
              SLS Table 3.2-20
         Special Use Airspace Boundary =
                    Airspace ID
               and {Special_Use_Airspace_Boundary}
               and [Activation Period]
               and [Altitude_Limits]
               and [Controlling_Agency]
                    SLS 3.7.1.2.1.1.1.2
    Radar Strobe =
              [Beacon_Radar_Strobe]
          and [Search_Radar_Strobe]
               SLS 3.7.1.1.3.1.3, 3.7.1.2.1.1.1.5, 3.7.1.2.1.1.1.6
Conflict Resolution Advisory =
        1{Conflict_Alert_Resolution_Option}4
    and1(Track/Airspace Resolution Option)4 *MSAW advisory*
          SLS 3.7.1.1.3.5.3, 3.7.1.2.1.1.1.9, 3.7.1.2.1.1.4
     and {Conflict_Resolution_Vector}
     and (MSAW Vector)
          SLS Table 3.2-9, 3.2-9A
Flight_Plan_Conflict/Trial_Plan_Display =
         [Aircraft Conflict Display]
     and [Airspace_Conflict_Display]
     und [Trial_Plan_Route_Display]
     and ^Conflict_Outside_Current_Display_Area_Indicator^
          SLS 3.7, 1.2, 1.1, 1.16
     Aircraft_Conflict_Display =
              {Route Of Aircraft}
          and (Violation_Area)
          and {Callsign}
          and (Current_Controlling_Sector)2
          and Sector/Facility_Containing_Possible_Violation
          and Time To Violation
               SLS 3.7.1.2.1.1.1.16.1, 3.7.1.1.4.3
```

```
Airspace_Conflict_Display =
                  (Special Use Airspace
                   Terrain_Area)
              or
              and Route_Of_Aircraft
              and Violation Area
              and Callsign
              and Current_Controlling_Sector
              and (Special_Use_Airspace_Identification
                   Terrain_Area_Identification)
              or
              and Sector/Facility Containing Possible Penetration
              and Time_To_Penetration
              and{[Hazardous_Weather_Area]}
              und({Other_Special_Use Airspace}
              or {Other Terrain Area})
              and TBD
                   SLS 3.7.1.2.1.1.1.16.2, 3.7.1.1.4.4
         Trial Plan Route Display =
                   (Route_Display)
               and "Trial_Plan_Aircraft_Conflict_Indication"
               or ^Trial_Plan_Airspace_Conflict_Indication^
               or 'Trial Plan Flow Restriction Violation Indication'
                   SLS 3,7,1,2,1,1,1,16,3
    Coographic Tagging =
               Line
         and Circle
         and Arc
         and Polygon
         and Alphanumeric_String
               SLS 3.7.1.2.1.1.1.14
Flight_Data_Display =
          Flight Data Area
     and Flight Data Readout Area
          SLS 3.7.1.2.1.1.2
     and lime *on main display for non-radar controller*
     and Operational_Position Designator *non-radar controller*
          SLS 3.7.1.2.1.1.a
     Flight_Data_Area =
              (Posting List Header)
               SLS 3.7.1.1.3.3.1.4
          and (Flight Data Entry)
          and (Flight_Data_Entry_Notation)
               SLS 3.7.1.1.3.3.2.5, 3.7.1.2.1.1.2
          and (Resectorization Support FDE Indication) **emphasis*
          and Resectorization_Prompt
               SLS 3.7.1.1.3.9.1
```

Table C-1. Logical Display Contents (Continued)

```
Flight Data Entry =
         [Computer Identification]
         IFR/VFR Indicator
     and
         Callsign
     and 'Heavy_Jet_Indicator'
     and 'Number_Of_Aircraft'
     and Aircraft_Type
     and 'Equipment Qualifier'
         Beacon_Code
     and [True_Airspeed]
     and
         Assigned Altitude
     and
          Interim Altitude
     and "Reported_Altitude"
     and ^Mode-C Altitude^
          Requested Altitude
     and
          Route Information *preferential route, route of
               flight, special route, SWAP reroute, sector
               rerouting, insufficient display area indicator,
               remarks*
     and (Controlling_Sector
     or
          Controlling Facility)
     and ^Altitude Nonconformance Indicator^
          Estimated Ground Speed
          Previous Posted Fix
     and
     and
          Time_At_Previous_Posted_Fix
          Posted Fix
     and
          CTA_At_Posted_Fix
     and
          Next_Posted_Fix
     and
          CTA At Next_Posted_Fix
     and
     and (Next Sector
           Next_Facility)
     or
          Coordination_Indicator
     and (Arrival Arrow
     910
           Departure Arrow)
     and `Lateral_Nonconformance_Indicator`
           Metering/Traffic_Management_Advisory_Indicator
      and
           Proposed Departure Time
           Actual_Departure_Time
      and
           CTA_At_Previous_Fix
      and
          Estimated_Time_Of_Arrival
          Indicated Airspeed
      and [Aircraft_Model_Number]
          Estimated_Elapsed_Time_To_Destination
      and
           Alternative Destination
      ana
           Runway
           Mach Speed
      and
      and
           NOPAR Indicator
           Remarks Indicator
      and ^Metering/Traffic_Management_Advisory^
```

```
Flight Data_Entry (continued) =
     and ^Expect Departure Clearance Time^
         Destination
         Departure Point
    and
         Control Information
          SLS Table 3.7-1, 3.7.1.1.3.2.7, 3.7.1.1.3.3.1.2,
              3.7.1.1.3.3.3, 3.7.1.1.3.4.2.3, 3.7.1.2.1,1,2,1
     and (Flight_Identification
     and Field Identifier
     and New Flight Data)
          SLS 3.7.1.2.1.1.2.c
Flight Data Entry Notation = *FDEN*
          Exception Beacon Code *emergency, hijack, radio
               failure, suspect aircraft*
         Conflict_Alert
     and
     and
         Minimum Safe Altitude Warning *MSAW*
         Flight_Plan_Priority_Alert *aircraft or airspace
               conflict*
         Flight_Plan_Advisory_Alert *aircraft or airspace
     and
               conflict*
     and
         Transfer_Of_Track_Control_Data_And/Or_Radar_Service
               _Provided/Terminated/Lost *FDEN absence denotes
               radar service not yet provided*
          Data Block Pointout Initiated/Accepted/Rejected
     and
               *includes receiving sector/facility ID*
         Route_Data_Field_FDEN *radar vector heading, direct
     and
               route clearance, DME arc, radius clearance*
         Data_Field_Not_Forwarded_To_Required_Sector/Facility
     and
               *includes intended receiving sector/facility ID*
          Assigned_Altitude_FLEN *verified assigned altitude,
     and
               altitude restriction, assigned altitude inappro-
               priate for direction of flight/ coordinated with
               next sector, fix crossing time*
     and Reported_Altitude_FDEN *controller request for a pilot
               to report reaching/leaving an altitude, altitude
               has been reached/vacated, pilot-reported altitude
               different from assigned altitude*
     and
          Record_Of_Clearances/Instructions_Delivered
     and
          Speed Restriction Assigned
     and
          Fix_Data_FDEN *next fix entered in a progress report
               is not on assigned route*
     and Holding_Clearance/Instructions_Issued
     and Future Action Required *regarding FDE field tagged*
     and (Flight_Changed_To_Next_Frequency
     and [New_Frequency]
     and [Frequency Time Change])
     and (VFR_Flight Following Provided
          Stage_II_Service_Provided
```

```
Flight_Data_Entry_Notation (continued) = *FDEN*
              TCA_Service_Provided
         or
              TRSA Service Provided
         or
              ARSA_Service_Provided)
         or
         and IFR_Flight_Plan_Cancelled
         and (Arrival_Time
         and Clearance_Void_Time)
         and Posted Fix FDEN *pilot estimate at fix, actual time
                    at fix*
         and Next Fix FDEN *pilot estimate for next fix*
         and((SWAP
          or
               Preferential Route)
          and Associated_Segment_Of_Filed_Route)
               SLS 3.7.1.2.1.1.2.1.a-u
Flight Data Readout Area =
          Flight Data *one flight*
     or 1(Trial_Plan_Readout)4 *one flight*
          SLS 3.7.1.2.1.1.2
          Trial_Plan_Readout =
                   (Indication Of_Invalidity_For_Aircraft
               or
                    No_Conflict_Indication
                    No Restriction Violation) *restriction alert.*
               or
               and1(Trial_Flan_Information)4 *altitude/ speed change
                         or sequence of converted fixes and route
                         segments*
               and ^No_Active_Reroutes_Indication^ *for airspace
                         conflict*
                    SLS 3 7.1.1.4.2.3, 3.7.1.1.4.4, 3.7.1.1.4.5,
                        3.7.1.1.4.6
               Trial_Plan_Information =
                         Altitude Change
                    or (Point Of Route Deviation
                    and Vector from Route
                    and [Distance_Of_Parallel_Route_From_Original_
                              Route]
                    and [Length_Of_Parallel_Route]
                    and Vector_Back_To_Original_Route)
                         Speed Change
                    or (Point Of Route Deviation
                    and Vector From Route
                    and Length_Of_Offroute_Vector
                    and Vector Back To Route)
                         SLS 3.7.1.1.4.2.2, 3.7.1.1.4.6
```

```
Trial Plan Information (continued) =
                         or
                              Return-To-Course Maneuver
                              Direct-To-Next-Fix Maneuver
                         or
                         and ^Applicable Conflict/Flow_Problem_Information
                              SLS 3.7.1.1.4.7
Aeronautical_And_Meteorological_Data_Display =
         (Aeronautical And Meteorological Data)
     and [Aeronautical_And Meteorological_Alert] *forced urgent PIREP,
               significant A&M activity*
          SLS 3.7.1.1.3.6.2, 3.7.1.1.3.6.3, 3.7.1.2.1.1.3.d1, 3.7.1.2.1.1.3
     Aeronautical And Meteorological Data =
               Data Update Time
          and ^Display_Update_Indicator^
          and ^Station/Location_ID^
          and [Surface Observation]
          and [Terminal Forecast]
          and([Grid Winds]
          and [Temperatures_Aloft])
          and [Altimeter Setting]
          and [Minimum_Assignable_Flight_Level]
          and (PIREP)
          and [Center_Weather_Advisory]
          and (SIGMET)
          and (Convective SIGMET)
          and {AIRMET}
          and [Hurricane_Advisory]
          and [Area_Forecast]
          and [Meteorological Impact Statement]
          and [Convective_Outlook]
          and (NOTAM) *general nature*
          and (General_Information_Message) *free-text alphanumeric
                    message*
          and DOD Weather Data
          and ICAO Weather Data
               SLS 3.7.1.1.3.6.2, 3.7.1.1.10, 3.7.1.2.1.1.3, Table 3.7-6
```

```
Surface Observation =
                   Station Designator
                   Type Report *SA, SP, RS*
              and Time *observation time*
              and [Sky And Ceiling]
              and [Visibility]
              and [Weather And Obstruction_To_Vision]
              and [Sea Level Pressure]
              and [Temperature_And_Dev_Point]
              and [Altimeter_Setting]
              and [Remarks] *amplifying and additional information
                         including PIREPs*
                   SLS 3.7.1.1.3.6.2, FAA Academy TEM-17-1 142
    Aeronautical And Meteorological Alert =
              Urgent PIREP
         or
              A&M Alert NOTAM
              SLS 3.7.1.1.3.6.2, 3.7.1.1.10, 3.7.1.2.1.1.3
Alert_And_Resolution_Display =
        {^Callsign^}
    and (Alert Type
    and Alert Condition)
    and(^Conflict_Resolution_Advisory^)
          SLS 3.7.1.1.3.5.1, 3.7.1.1.3.5.2, 3.7.1.2.1.1.4
     and "Aural Alarm" *MSAW*
          SLS 3.7.1.1,3.5.2
     Alert_Type =
               Conflict Alert
               Minimum_Safe_Altitude_Warning *MSAW airspace, special use
          or
                    airspace*
          0.0
               Aircraft Emergency
               SLS 3.7.1.2.1.1.4
          Aircraft Emergency =
                    Callsian
               and Condition
               and Beacon Code
                    SLS 3.7.1.2.1.1.4
     Conflict_Resolution_Advisory =
               Conflict Alert Resolution_Advisory
               MSAW_Resolution_Advisory
          or
               SLS 3.7.1.1.3.5.3, 3.7.1.2.1.1.4
```

Table C-1. Logical Display Contents (Continued)

```
Special_Lists =
         [Departure List]
    and [Inbound List]
    and [Coast/Hold/Suspend List]
    and [Group Suppression List]
    and [VFR Inhibit List]
     and [Auto Handoff/Pointout Inhibit List]
     and [Traffic Management Advisory List]
     and [Metering_Advisory_List]
     and [Emergency_Airport_List]
     and [Controller Reminder List]
     and (TBD) *additional special list(s)*
     and Automatic_Data_Update_Indication *emphasis*
          SLS 3.7.1.2.1.1.5
     Departure List =
              (Airport Sublist Header)
          and (Callsian)
          and (Field Of Flight Data)
              SLS 3.7.1,2.1.1.5,1
     Inbound_List =
             {Callsign}
          and (Field Of Flight Data)
              SLS 3.7.1.2.1.1.5.2
     Coast/Hold/Suspend_List =
              (Callsign)
          and (Coast
          or
              Hold Character
          or
              Suspend)
          and (Field Of Flight Data) *assigned altitude, time, etc.*
               SLS 3.7.1.2.1.1.5.3
     Group_Suppression_List =
              (Group Identification Number) *in ascending order*
          and (Sector_Number_Of_Other_Sector_Suppressing Group)
          and([Callsign])
               SLS 3.7,1,2.1,1.5,4
     VFR_Inhibit_List =
              {Facility_ID} *of facility inhibiting transfer of active VFR
                    flight plans*
               SLS 3,7.1,2.1.1.5.5
```

```
Auto_Handoff/Pointout_Inhibit_List =
         {Sector_ID} *auto handoff or pointout inhibited*
    and {Facility_ID} *auto handoff or pointout inhibited*
    and (Aircraft Identification) *auto handoff or pointout
              inhibited*
          SLS 3.7.1.2.1.1.5.7
Traffic Management Advisory List =
        [{Callsign}]
     and All Flights_On_Airways/No_Directs
     and (Flights On Specific Airways)
     and (Flights_Over_A_Specific_Fix)
     and (Specified_Time_Between_Flights) *number of flights per unit
               of time*
     and (Specified Miles-In-Trail Between Flights)
     and (Meter Fix Time
          Meter_Boundary_Crossing_Time)
     and (Altitude Constraint)
     and [Flow_Restriction_Criteria]
     and TBD
          SLS 3 7.1.1.3.4.2, 3.7.1.1.3.4.2.1.1, 3.7.1.1.3.4.2.1.2,
              3.7.1.1.4.5, 3.7.1.2.1.1.5.8
     Flow Restriction Criteria =
               Time
          and Horizontal_Location
          and Altitude Limits
          and {Arrival/Destination Airport}
          and {Entry-Exit_Fix_Or_Boundary}
          and Aircraft Performance Class *aircraft type, speed, etc.*
          and({Specified Individual_Aircraft})
          or {Class Of Aircraft}) *by user class, etc.*
               SLS 3.7.1.1.3.4.2.2.1, 3.7.1.2.1.1.5.8
Metering Advisory List =
         (Metering Advisory List Header)
     and (Metering_Advisory_List_Entry)
          SLS 3.7.1.1.3.4.1.1.3, 3.7.1.2.1.1.5.9
     Metering Advisory List Header =
               Outer Fix
               Speed
          Or.
               Descent
          or
          or
               Hold
               SLS 3.7.1.2.1.1.5.9
```

```
Metering_Advisory_List_Entry =
              Destination_Airport
         and Meter Fix Name
         and Runway_Identifier
         and Meter Fix Time *MFT*
         and Frozen Time Status
         and Total_Delay_To_Meet_MFT
         and (Outer_Fix *for Outer Fix advisory*
         and Time To Cross Outer Fix
         and Delay_To_Be_Absorbed_At_Outer_Fix)
             (Amount_Of_Speed_Reduction *for speed advisory*
         or
         and Requested_IAS
         and Time_To_Start_Speed_Reduction)
         or (Descent_Type *for Descent advisory*
         and Time_Descent_Should_Start)
         and "Out Of Conformance Indicator"
         or (Hold Fix *for Hold advisory*
         and Expect_Further_Clearance_Time)
         and Airport_Reservation_Status
         and Metering Boundary Name
         and (Conflict Indication
         and Source Of Conflict Problem)
         and (Callsign)
              SLS 3.7.1.1.3.4.2.1.2, 3.7.1.1.3.4.2.1.3,
                   3.7.1.2.1.1.5.9, Table 3.7-7
          Source_Of_Conflict_Problem =
                   Aircraft_Source_Of_Conflict
               or
                   Airspace_Source_Of_Conflict
                   Flow Restriction Source Of Conflict
               or
                   SLS 3.7.1.2.1.1.5.9
Emergency_Airport_List =
       5({Airport_Name *ascending order of distance*
     and Airport_Identifier
     and Heading To Airport
     and Distance_To_Airport
     and Estimate | Time_To_Airport))5
     and [Expanded_Emergency_Airport_Information]
          SLS 3.7.1.2.1.1.5.10
```

```
Expanded_Emergency_Airport_Information =
               Airport_Name
              Airport Identifier
          and
          and (Runway_Data)
          and Controlling ACF/ATCT
          and Associated_Flight_Service_Station
          and Heading_To_Airport
          and Distance To Airport
          and Time To Airport
          and Emergency Equipment Available
          and Field Elevation
          and (Minimum Safe Altitude) *by quadrant*
          and((Instrument Approach)
          and (Outer Fix)
          and (Frequency))
          and Airport_Category *I through III*
          and ^Airport Barrier Type^
          and (Surface Observation At Airport)
          and "Other_Pertinent_Weather_Information"
          and Contact Point *e.g., Airport Manager telephone
                    number*
          and Aircraft Groups *1 through 4*
          and UNICOM Frequency
               SLS 3.7.1.2.1.1.5.10
          Runway_Data ≈
                    Runway Length
               and Runway Width
               and Runway_Alignment
               and
                    Runway Surface Type
                    SLS 3.7.1.2.1.1,5,10
Controller Reminder List =
         {Aircraft_Callsign
     and (Controller_Reminder_Type)
     and (Message) *time for control action*
          SLS 3.7.1.1.4, 3.7.1.2.1.1.5.11
     Controller Reminder Type =
                Altitude Change
          and Altitude_Change_With_Restriction
          and Expect_Further_Clearance *after an interim altitude.
                    to leave a holding pattern*
          and TBD
                SLS 3.7.1.2.1.1.5.11
```

```
Message Composition And Response Display =
         Message Composition Display
     and Response Display
          SLS 3.7.1.2.1.1.6
     Message Composition Display =
              [Message Composition Menu] *message composition choices*
          and [Message Composition Template] *form-filling dialog, Quick
                    Reference message entry format*
          and Message Preview Area
               SLS 3.7.1.2.1.1.6, 3.7.1.2.1.2.aa
     Response Display =
               System Message Readout
               Task Analysis/ ARTS Functionality
          and System Query Response
          and System Processing Response
          and [Message Waiting Indicator]
          and [Priority Receipt Acknowledgement]
               SLS 3.7.1.1.3.7.1, 3.7.1.2.1.1.6, 3.7.1.2.1.2.aa
          System_Message_Readout =
                    Departure_Message *emphasized*
               and Assigned/Reported Beacon Code
               and TBD
                    Task Analysis/ ARTS functionality
          Message_Waiting_Indicator =
                    Incoming Message Receipt
               and Incoming_Message_Classification *priority, standard*
               and Number Of Messages In Queue *by classification*
                    SLS 3.7.1.1.3.7.1
         System Query Response =
                    ATC_Mail_Message_Readout
                    Flight Plan Readout
               or
                    Weather_Dcta_Readout
                    Route Readout
               or
                    TBD *other data base information provided in
                           response to controller request*
                    SLS 3.7.1.1.4.2.3, 3.7.1.2.1.1.6
               ATC Mail Message Readout =
                         Date
                    and Time
                    and Sender Identification
                    and Text_Message
                          SLS 3.7.1.1.3.7.1
```

```
System Processing Response =
                   (Message Accept Indicator
                   Message Reject Indicutor
                   Message Error Indicator)
               or
                    SLS 3.7.1.2.1.1.6
Airport Environmental Data Display =
         [Barometric Pressure] *DASI, altimeter setting*
     and([Center_Field_Wind_Direction]
     and [Center Field Wind Speed]
     and [Center Field Wind Gust Speed])
     and [Runway_Visual_Range_Data]
     and [Low_Level_Wind_Shear_Alert_System_Data]
     and [Airport Information]
          SLS 3.7.1.1.3.7.2, 3.7.1.2.1.1.7
     and [Temperature]
     and [Ceiling Height]
     and [Vortex_Advisory Data]
     and [Visibility]
     and "Airport Environmental_Alert"
     and ^ATC Airport Equipment Alert^
          SLS 3.7.1.1.3.7.2
     Low Lovel_Wind_Shear_Alert_System_Data =
               Reporting Location
          and Boundary_Surface_Wind_Direction
          and Boundary Direction Wind Speed
          and Effect_On_Aircraft_Performance
          and Update Time
               SLS 3.7.1.2.1.1.7
     Runway_Visual_Range_Data =
              (Runway_Visual_Range)3
          and Supplementary_Character
          and Update Time
               SLS 3.7.1.2.1,1.7
```

```
Airport Information =
             (Departure Route)
         and (Arrival Route)
         and {Runway Configuration} *active arrivals/departures*
         and (Closed Runway)
         and([Acceptance_Rate])
         and([Outage_And_Repair_Schedule])
         and [Runway Alert_Data]
         and [Airport_Lighting_Systems_Data] *runway lighting intensity
                   update time* *airport, runway*
         and [Instrument Landing Aids] *ILS, MLS* *airport, runway*
         and [Visual Approach Slope Indicator] *VASI*
         and [ATIS Character]
         and [ATIS Message]
          and (Current NOTAM) *airport specific*
              SLS 3.7.1.1.3.7.2, 3.7.1.1.10, 3.7.1.2.1.1.7
         Airport_Lighting_System_Data =
                   Airport Lighting System Status
               and Update Time
                 SLS 3.7.1.2.1.1.7
System Status Data Display =
         [Communication Status]
     and [Equipment Status]
     and [Sectorization Data]
     and [Special_Use_Airspace_Status]
     and [Training_In_Progress]
     and([Special Activity])
     and([Computer Outage])
     and([Data Communication_Line_Outage])
     and([Voice Communication Line Outage])
     and [Usage_Of_Adapted_Routes]
     and [Usage_Of_Operational_Functions]
     and Update Indication *data emphasis*
     and TBD
          SLS 3,7,1,2,1,1,8
     Communication Status =
              (Communication Channel Assignment)
          and (Radio Frequency)
          and((Radio_Equipment_Outage)
          and {Radio_Equipment_Repair_Schedule})
               SLS 3.7.1.2.1.1.8
```

```
Equipment Status =
            {(Radar Equipment Outage
         and Radar Repair Schedule)}
         and((NAVAID Outage
         and NAVAID Repair Schedule))
         and [NAVAID Maintenance Schedule]
              SLS 3.7.1.2.1.1.8
    Sectorization Data =
              Sectorization_Plan_In_Effect *ircluding Terminal
                    Configuration Plan*
         and 'Request_For_Resectorization'
              SLS 3.7.1.2.1.1.8
    Computer_Outage =
              {Operational_Function_Degradation/Failure}
          and 'Reduced Capability Mode Indicator'
          and ^Emergency Mode_Indicator^
          and (TCCC Interface_Status)
          and {ACCC_Interface_Status} *adjacent, backup*
          and({TCCC Stand-Alone Mode
              TCCC Normal Mode))
          and {D-BRITE Interface Status}
              SLS 3.7.1.1.1.3.3
Static Information Display =
        [{Controller Chart}]
     and[{Sectional_Aeronautical_Chart}]
     and[(Instrument Approach_Procedure)] *IAP*
     and[{STAR/Profile_Descent}] *standard terminal arrival*
     and[{SID/Departure Procedure}] *standard instrument departure*
     and [North Atlantic Route Chart]
     and [Pacific Route_Chart_Composite]
     and[(Substitute Routing)]
     and [Airman's_Information_Manual]
     and [Air_Traffic_Control, FAA_Order_7110.65]
     and [Standard_Operating_Procedures] *SOP*
     and[{Letter Of Agreement)]
     and[(Position_Checklist)]
     and[{NAVAID/Sector_Frequency}]
     and [Oceanic Air Traffic_Control,_FAA_Order_7110.83]
          SLS 3.7.1.2.1.1.9
Weather_Display =
         (RWP_Weather_Product)
     and [Geographic Map Overlay]
       SLS 3.7.1.1 3.6.3, 3.7.1.2.1.1.10
```

```
RWP Weather Product =
            [RWP Hazardous Weather Data]
        and[{RWP Hazardous Area Outline}]
        and[{IFR/IMC Area Outline}]
        and (Product Type Notation)
        and {Product_Level_Notation}
             SLS 3.7.1.1.3.6.1, 3.7.1.1.3.6.3, 3.7.1.2.1.1.1.7,
                 3.7.1.2.1.1.1.8, 3.7.1.2.1.1.10
        RWP Hazardous Weather Data =
                {[Precipitation Intensity]}3/6
             and([Turbulence])6
             and([Point Data Mosaic]) *graphic RWP data indicating
                       points of hazardous weather*
             and [Echo Tops Mosaic] *graphic RWP data indicating highest
                       altitude where precipitation was detected*
              and [Convective Activity]
             and (TBD)
                  SLS 3.7.1.1.3.6.1, 3.7.1.2.1.1.1.8, 3.7.1.2.1.1.10, 6.2
         RWP_Hazardous_Area_Outline =
                 (Current Hazardous Area) *coded to indicate type of
                       weather*
              and (Predicted Hazardous Area) *coded to indicate type of
                       weather, 10-20-30 minutes in future*
                   SLS 3.7.1.1.3.6.1
              and (Hazardous Weather Alert)
                   SLS 3.7.1.1.3.6.1, 3.7.1.2.1.1.1.8
         IFR/IMC Area Outline =
                  (Current_IFR/IMC Area)
              and (Predicted IFR/IMC Area)
                SLS 3.7.1.1.3.6.1, 3.7.1.2.1.1.1.8
    Geographic Map Overlay =
             (Airway)
         and (Sector Boundary)
         and (Airport)
             SLS 3.7.1.2.1.1.1Ø
Sector Workload Display =
         Sector Number
    and (Sector Workload Prediction) *average number of controlled
              a)rcraft per time interval*
         SLS 3.7.1,1,4,1, 3.7.1,2.1.1,14
Controller_Notepad_Display = *personal electronic scratchpad*
        (Free-Form Text Note)
        SLS 3.7.1.2.1.1.18
       ------
```

```
AERA Alert Display =
          (Flight Plan Alert
          Trial Plan Alert)
         ^Automation_Processing_Suppression_Indicator^
          SLS 3.7.1.1.4.3, 3.7.1.1.4.4, 3.7.1.1.4.5, 3.7.1.2.1.1.20
     Flight Plan Alert =
               Aircraft_Conflict_Priority_Alert
          or
               Aircraft Conflict Advisory Alert
               Airspace Conflict Priority_Alert
          or
               Airspace Conflict Advisory Alert
          or`
               Flow Restriction Conflict Alort
          or
               SLS \overline{3}.7.1.1.4.3/4/5, 3.7.1.2.1.1.2\emptyset
          Aircraft Conflict Priority/Advisory Alert =
                    (Callsian)
               and Alert Type *priority, advisory*
               and Alert_Condition
               and {Current Controlling Sector}2
               and Sector/Facility Containing Possible Violation
               and Time To Violation
                    SLS 3.7.1.1.4.2.4, 3.7.1.1.4.3, 3.7.1.2.1.1.20
          Airspace Conflict Priority/Advisory Alert =
                    Callsign
               and Alert Type *priority, advisory*
               and Alert_Condition
               and Current_Controlling_Sector
               and (Special_Use_Airspace_Identification
               or
                    Terrain Area Identification)
               and Sector/Facility Containing Possible Penetration
               and Time_To_Penetration
               and 'Aircraft Flight Plan Nonconformance'
                     SLS 3.7.1.1.4.2.4, 3.7.1.1.4.4, 3.7.1.2.1.1.20
          Flow_Restriction_Conflict_Alert =
                     Callsign
                and Alort_Condition
                and Current Controlling Sector
                and Restriction Identification
                and Restriction Violation Description
                and ^Aircraft Flight Plan Nonconformance^
                     SLS 3.7.1.1.4.2.4, 3.7.1.1.4.5, 3.7.1.2.1.7.20
```

```
Trial_Plan_Alert =
              Trial Plan No Conflict Message
              Trial Plan Aircraft Conflict Alert *same data as
         or
                    aircraft conflict priority/advisory alert*
              Trial_Plan_Airspace_Conflict_Alert *same data as
         or
                    airspace conflict priority/advisory alert*
              Trial Plan Flow Restriction Conflict Alert *same data
         or
                    as traffic management restriction conflict alert*
         or
             ^Trial_Plan_Invalid_For_Aircraft^
               SLS 3.7.1.1.4.2.3, 3.7.1.1.4.2.4, 3.7.1.1.4.3/4/5,
         @
                   3.7.1.2.1.1.20
Suppressed_Display_List_Display =
         (Suppressed Logical Display)
    and (Suppressed Special List)
         SLS 3.7.1.2.1.1.21
VSCS_Display ≈
          VSCS_A/G_Display
    and VSCS_G/G_Display
         SLS 3.2.2.1.9.2.1.2
```

# **CONTROLLER INPUT MESSAGES**

Table C-2 presents the messages input by the ACF domestic controller to the ACCC including operational messages (e.g., handoff, pointout, or status change) and system control messages (e.g., display adjustment). The following notations are used in this table:

	=		Is defined as		
	or	≈	Exclusive "or"		
	and	=	And		
	( )	=	Message items form a group		
	{ }	<b>:=</b>	Multiple iterations of a message item. Numbers added in the form $X\{ \} Y$ indicate at least X but not more than Y iterations of the message. By default, $X = 0$ and $Y = no$ upper limit defined.		
	[ ]	=	Optional item		
	* *	=	Comment		
	<u>@</u>	=	Reference:		
			SLS	=	Advanced Automation System, System Level Specification, 28 August 1987 [21] (Citations are by AP paragraph)
			Task Analysis	=	Derived by task analysis
l			SSRVT	=	Sector Suite Requirements Validation Team
i			ARTS Functionality	=	Inclusion of present ARTS functionality

# Categories of message entry functions:

## TRACK CONTROL

Transfer of Control
Data Block Manipulations
Separation Assurance Control
Pointout Actions
Interim Altitude

## FLIGHT DATA MANIPULATIONS

Flight Data Changes Automation Processing Messages Sector Workload Prediction

# AERONAUTICAL AND METEOROLOGICAL DATA CHANGES

# SYSTEM STATUS CHANGES

# **DISPLAY CONTROL**

Situation Display Adjustments
Flight Data Display Manipulations
Weather Display Manipulations
Aeronautical and Meteorological Display Manipulations
Alert and Resolution Display Manipulations
Special Lists Manipulations
Message Manipulations
Message Manipulations
Airport Environmental Data Display Manipulations
System Status Data Display Manipulations
Static Information Display Manipulations
Controller Notepad Display Manipulations
AERA Alert Display Manipulations
Sign On/Sign Off
Parameter Adjustments
General Display Functions

```
Table C-2. Input Messages
                              TRACK CONTROL
TRANSFER OF CONTROL
    Accept/Retract/Reject_Handoff = *assume/ reject control*
             (Flight_Identification)
         and [Reject_Indicator]
         SLS 3.7.1.1.3.2.4, 3.7.1.1.3.2.8.2, 3.7.1.2.1.1.1.3,
                  3.7.1.2.1.2.1.a
    Initiate_Handoff = *manually initiate transfer of control*
              Flight_Identification
         and[(Sector
         or Facility)]
              SLS 3.7.1.1.3.2.8.3, 3.7.1.1.3.3.1.2, 3.7.1.2.1.2.1.c
     Enable/Inhibit Automatic Handoff =
             (Flight_Identification *single aircraft*
              Sector *all flights to*
          or Facility) *all flights to*
              SLS 3.7.1.1.3.2.8.2, 3.7.1.2.1.1.5.7, 3.7.1.2.1.2.1.d
     Redirect Handoff =
              Flight_Identification
          and (Sector
          or Facility)
              SLS 3.7.1.2.1.2.1,t
DATA BLOCK MANIPULATIONS
     Force Data Block = *force or remove display*
              Flight_Identification
             SLS 3.7.1.2.1.1.1.3.dd, 3.7.1.2.1.2.1.e
     Quick_Look = *display, terminate*
             (Sector_Number)
              SLS 3.7.1.2.1.1.1.3.dc, 3.7.1.2.1.2.1.k
```

```
Track = *change tracking status of aircraft*
              Flight Identification
         and Track Action *Coast, Start, Drop, Hold, Flight Plan
                   Extrapolation, Crosstell, Suspend, TBD*
         and [Track Start Position]
         and [Speed]
         and [Heading]
         and [Assigned Altitude]
              SLS 3.7.1.1.3.2.2, 3.7.1.1.3.2.3, 3.7.1.1.3.2.4,
                   3.7.1.1.3.2.6, 3.7.1.1.3.2.8.1, 3.7.1.1.3.2.8.2,
                   3.7.1.1.3.2.11, 3.7.1.1.3.3.2.6, 3.7.1.2.1.2.1.b
    Track Reposition = *reassociate with target symbol*
              Flight Identification
         and New_Coordinate Position
              SLS 3.7, 1.2, 1.\overline{2}, 1.1
SEPARATION ASSURANCE CONTROL
     Suppress/Restore Conflict_Alert_Pair/Conflict Resolution_Advisory =
              Flight Identification *Aircraft 1*
          and Flight Identification *Aircraft 2*
          and [Suppress/Restore_Alert_Indicator]
          and [Suppress/Restore_Resolution_Advisory] *Situation Display,
                    all displays*
               SLS 3.7.1.1.3.5.1, 3.7.1.1.3.5.3, 3.7.1.2.1.2.1.i
     Group_Suppression =
               Action Indicator *Add, Delete, Establish, Suppress*
          and Group_Identification_Number
       and/or2(Flight Identification)15
          and [Airspace]
          and [Altitude Range]
          and [Time Period]
              SLS 3.7.1.2.1.2.1.j
     Suppress/Restore_MSAW_Alert/Conflict_Resolution_Advisory =
               Flight Identification
          and [Suppress Alert Indicator]
          and [Suppress_Resolution_Advisory] *Situation Display, all
                    displays*
          and [Facility]
               SLS 3.7,1.1.3.5.2, 3.7.1.1.3.5.3, 3.7.1.2.1.2.1.ja
     Vertical_Velocity_Readout = *display, terminate*
               Flight Identification
               SLS 3.7.1.2.1.2.1,m
```

```
Flight_Plan Extrapolation =
                            *activate, suppress*
         Flight Identification
         SLS 3.7.1.1.3.3.1.5, 3.7.1.2.1.2.1.n
Fix/Time_Readout = *display/terminate speed adjustment*
         Flight Identification
    and Fix
    and [Time]
         SLS 3.7.1.2.1.2.1.0
 Range/Bearing Readout = *display/terminate distance and
                         bearing, ground speed, flying time*
        (First Point_Identifier
         Flight Identification)
    and Second_Point_Identifier
    and [Speed]
    and [Magnetic/True_Bearing]
         SLS 3.7.1.2.1.2.1.p
Range/Bearing/Fix_Readout = *display/terminate distance and bearing,
                            ground speed, flying time*
        (Point_Identifier
         Flight Identification)
     and Adapted Fix
    and [Speed]
     and [Mugnetic/True Bearing]
         SLS 3.7.1.2.1.2.1.q
Continuous Range_Readout = *display, suppress distance*
         Flight Identification *first aircraft*
     and (Flight_Identification *second aircraft*
     or Point_Identifier)
         SLS 3.7.1.2.1.2.1.r
Request/Suppress_Track_Velocity_Vector =
         Minutes
         SLS 3,7.1,2.1,1.1,4
Request/Suppress_Track_Distance_Vector =
         Miles
         SLS 3.7.1.2.1.1.1.4
         ------
Request/Suppress Route Display =
         Flight Identification
     and [Minutes_Of_Flight_Time]
     @ SLS 3.7.1.2.1.1.1.11
```

```
Radar Contact = *FDEN*
              Flight Identification
         and [Lost_Or_Terminated Indicator]
              SLS 3.7.1.2.1.2.1.u
             [Hold]
         or [Suspend]
             Task Analysis
                                  -----
    Accept Resectorization =
             [All_Handoffs_Indicator]
              SLS 3.7.1.1.3.9.1, 3.7.1.2.1.2.1.v
    Latitude/Longitude_Readout = *display, delete*
             [Cursor_Position]
         or [Fix]
         or [fix/Radial/Distance]
            SLS 3.7.1.2.1.2.1.w
    Select_Longitudinal_Scale =
              Location
         and Miles *Ø - 2Ø*
             SLS 3.7.1.2,1.1.1.13
    Enter/Delete_Scratch_Pad_Data *in Full Data Block*
              SLS 3.7.1.2.1.1.1.3, 3.7.1.2.1.1.1.3.bk
POINTOUT ACTIONS
     Initiate_Pointout = *data block pointout*
              Flight_Identification
         and (Sector
            Facility)
         or
              SLS 3.7.1.1.3.8, 3.7.1.2.1.1.f
     Pointout_Accept/Reject = *data block pointout*
              Flight_Identification
         and [Reject Indicator]
              SLS 3.7.1.1.3.8, 3.7.1.2.1.2.1.s
     Enable/Inhibit Automatic Pointout =
             (Flight Identification *single aircraft*
              Sector *all flights to*
              Facility) *all flights to*
         or
              SLS 3.7.1.1.3.8, 3.7.1.2.1.1.5.7, 3.7.1.2.1.2.1.g
```

```
INTERIM ALTITUDE
    Interim Altitude = *set, remove*
             Flight_Identification
         and Altitude
             SLS 3.7.1.1.3.10, 3.7.1.2.1.2.1.h
                      FLIGHT DATA MANIPULATIONS
    Flight Data Amendment = *IFR or VFR flight plan*
             Flight Identification
         and Field To Be Modified *modify, add to, delete*
         and New Data
             SLS 3.7.1.1.3.3.1.1, 3.7.1.1.3.3.2.1, 3.7.1.2.1.2.2.a
             Drop Flight Plan Internal = *delete FDB/FDE from own facility*
             Flight Identification
             SLS 3.7.1.2.1.2.2.b
         Departure = *activate a proposed departure or a proposed airfile
                 flight plan*
             Flight_Identification
         and [Departure_Time]
         and [Assigned Altitude]
             SLS 3.7.1.2.1.2.2.c
    Discrete Code Request/Assignment = *assign, change*
             Flight_Identification
         and([Beacon Code]
         or [Code_Subset_Designator])
             SLS 3.7.1.1.3.2.8.1, 3.7.1.1.3.3.1.6, 3.7.1.1.3.3.2.1,
                 3.7.1,1.3.3,2.6, 3.7.1.2.1.2,2.d
    Flight_Plan = *enter IFR plan*
              Callsign
         and [Flight Rules]
         and [Type Of Flight]
         and [Number_Of_Aircraft]
         and Type Of Aircraft
         and [Model Number]
         and [Heavy Jet_Indicator]
         and Equipment
         and (Departure Point
```

```
Flight Plan (continued) =
    and Departure Time)
     or (Coordination Fix
     and Coordination_Time/Elapsed_Time To Coordinate Fix)
     and True Air Speed
         Altitude
     and
     and Route
     and [Destination]
     and [Estimated_Elapsed_Time_To_Destination]
     and [Alternate Destination]
     and [Beacon Code]
     and [Mode S_Code]
     and [Remarks]
     and [NOPAR Indicator]
         SLS 3.7.1.2.1.2.2.e
Hold = *initiate, modify, cancel* *FDEN*
          Flight_Identification
     and [Fix]
     and [EFC Time]
     and [Hold Cancel Indicator]
     and [Hold Direction]
     and([Turns])
     and([Leg_Lengths_In_Minutes_Or_Miles])
     and [Time_Entering_Hold]
     and [Time_Leaving_Hold]
          SLS 3.7.1.1.3.2.4, 3.7.1.2.1.2.2.f
Progress_Report =
          Flight_Identification
     and Fix
     and [Actual Time At_Fix] *FDEN*
     and [Pilot Estimate At Fix] *FDEN*
     and [Next Fix]
     and [Pilot Estimate_At_Next_Fix] *FDEN*
     and [Altitude]
          SLS 3.7.1.1.3.2.7, 3.7.1.2.1.2.2.g
Reported Altitude =
          Flight_Identification
      and (Altitude)
      and [Indicator_Denoting_Report_Reaching] *FDEN*
      and [Indicator Denoting Report Leaving] *FDEN*
      and [Indicator_Denoting That_Reported_Altitude_Is Other_Than |
                Assigned Altitude] *FDEN*
           SLS 3.7.1.1.3.2.5, 3.7.1.2.1.2.2.h
```

```
lransfer Flight Plan =
        (Flight_Identification)
    and Facility *ACCC, TCCC, ARTS, TAAS, ISSS*
         SLS 3.7.1.1.3.3.1.8, 3.7.1.2.1.2.2.i
Drop Flight Plan = *delete FDB and FDE from ATC system*
        Flight Identification *IFR or VFR*
         SLS 3.7.1.1.3.3.2.1, 3.7.1.2.1.2.2.j
Stereo_Flight_Plan = *enter*
         Callsign
    and [A/C Data]
    and [Speed]
    and Coordination_Time
    and [Altitude]
    and Stereo_Tag
    and [Remarks]
         SLS 3.7.1.2.1.2.2.k
   FDE And Data Field Emphasis =
         Flight_Identification
     and Field_To Be Emphasized *full FDE, field, subfield*
    and Fmphosized_Data *enter, modify, delete, restore*
         SLS 3.7.1.2.1.1.2, 3.7.1.2.1 2.2.n
FDE Pointout = *force FDE to another sector*
         Flight_Identification
     and [Sector_Posting_Number)
     and Sector Number
        SLS 3.7.1.2.1.2.2.0
Request FDEs =
       ([Flight Identification])
     and [Sector Number
   and/or [acility]
     and [Posting_List_Header]
     @ SLS 3.7.1.1.3.3.2.5, 3.7.1.2.1.2.2.p
        Emergency_Airport = *display, terminate*
        Flight Identification
       SLS 3.7.1.2.1.2.2.r
Runway_Assignment = *assign, reassign*
         Flight_Identification
     and Runway
     @ $L$ 3.7.1.2.1.2.2.s
```

```
Approach Type =
         Flight Identification
    and Approach Type
         SLS 3.7.1.2.1.2.2.t
VFR Flight Plan =
         Aircraft_Identification *callsign*
    and [A/C_Data]
    and [Beacon Code]
    and [Departure Point]
    and [Destination]
    and [True Airspeed]
    and [Coordination Fix]
     and [Coordination Time]
     and [Altitude]
     and [Route]
     and [Estimated_Point_Of_Penetration_Of ADIZ/DEWIZ_Boundary]
     and [Elapsed Time To Point Of ADIZ/DEWIZ Penetration]
     and [Remarks]
     and [Heading]
     and [Runway_Assignment]
     and [Estimated Time Of Arrival]
     and [Coordination]
          SLS 3.7.1.1.3.3.2.1, 3.7.1.1.3.3.2.5, 3.7.1.2.1.2.2.u
Altitude Restriction_Message = *enter/cancel FDEN, controller
     reminder*
          Flight Identification
     and([Restriction])
         SLS 3.7.1.2.1.2.2.v
          Suppress/Restore_Full_Data_Block_And_Flight_Data_Entry = *on displays
     at own workstation*
          Flight Identification
          SL$ 3.7.1.2.1.2.2.w
Request_Flight_Data_Readout =
          Flight_Identification
          SLS 3.7.1.2.1.1.2
Airport VFR Flight Plan Request =
          Callsian
     and [Flight Status] *arrival, departure, overflight*
     and [Code_Block Selection]
     and([CPSD Coordinates]
     or [Fix]
```

```
Airport VFR Flight Plan Request (Continued) =
     or [Direction]) *magnetic bearing*
     and [Airport]
         SLS 3.7.1.1.3.2.8.1, 3.7.1.1.3.3.2.1, 3.7.1.1.3.3,2.6,
             3.7.1.2.1.2.2.x
Implement Reroute =
          Reroute
     and Flight Identification
         SLS 3.7.1.1.3.4.2.3, 3.7.1.2.1.2.2.y
     ര
     and [Addressee]
         Task Analysis/ SSRVT
Implement Absorption Maneuver =
          Flight_Identification
          SLS 3.7.1.1.3.4.1.1.2, 3.7.1.2.1.2.z
Create/Delete Route =
         [Route Identifier]
     and([Route]
     or [Route_Segment])
          SLS 3.7.1.2.1.2.2.aa
Repetitive Route Amendment =
         (Flight Identification)
     and [Route Identifier]
     and([Route]
     or [Route_Segment])
          SLS 3.7.1.2.1.2.2.ab
Enter/Delete FDE Notation = *FDEN*
          Emergency/Hijack/Radio_Failure/Suspect_Aircraft
         Conflict Alert
     and
     and Mirimum Safe Altitude Warning *MSAW*
         Flight_Plan_Priority_Alert *aircraft or airspace conflict*
     and
     and Flight_Plan_Advisory_Alert *aircraft or airspace conflict*
     and
          Transfer Of Track Control Data And/Or Radar Service
               Provided/Terminated/Lost *FDEN absence denotes radar
               service not yet provided*
          Data_Block_Pointout *includes receiving sector/facility ID*
     and
          Route_Data_Field_FDEN *radar vector heading, direct route
     and
               clearance, DME arc, radius clearance*
          Data_Field_Not_Forwarded To Required Sector/Facility
     and
               *includes intended receiving sector/facility ID*
     and Assigned_Altitude_FDEN *verified assigned altitude,
               altitude restriction, assigned altitude inappropriate
               for direction of flight, fix crossing time*
```

```
Enter/Delete_FDE_Notation (Continued) = *FDEN*
         and Reported Altitude FDEN *controller request for a pilot to
                   report reaching/leaving an altitude, altitude has been
                   reached/vacated, pilot-reported altitude different from
                   assigned altitude*
              Record Of Clearances/Instructions_Delivered
         and
              Speed Restriction Assigned
         and
              Fix_Data_FDEN *next fix entered in a progress report is not
         and
                   on assigned route*
         and
              Holding_Clearance/Instructions Issued
              Future_Action_Required *regarding FDE field tagged*
         and
         and (Flight_Changed_To_Next_Frequency
         and [New Frequency]
         and [Frequency_Time_Change])
         and (VFR_Flight_Following Provided
               Stage II Service Provided
               luA_Service_Provided
         or
              TRSA_Service_Provided
         or
          or
               ARSA Service Provided)
         and IFR Flight Plan Cancelled
          and (Arrival Time
          and Clearance Void Time)
              Posted Fix FDEN *pilot estimate at fix, actual time at fix*
              Next_Fix_FDEN *pilot estimate for next fix*
          and
         and((SWAP
         or
               Preferential Route)
          and Associated_Segment_Of_Filed_Route)
               SLS 3.7.1.2.1.1.2.1, 3.7.1.2.1.1.2.1.a-u, 3.7.1.2.1.2.2
AUTOMATION PROCESSING MESSAGES
    Trial Plan Build =
               Flight_Identification
          and [Fix]
          and [Speed]
          and [Altitude]
          and [Route]
               SLS 3.7.1.1.4.2.1, 3.7.1.1.4.3, 3.7.1.1.4.4, 3.7.1.1.4.5,
                   3.7.1.2.1.1.2, 3.7.1.2.1.2.11.a
          and [Delay_Data]
               SLS 3.7.1.1.4.2.2.3
```

```
Trial_Plan_Amendment = *modify, add to, delete*
         Trial_Plan_Identification
    and Field_To_Be_Modified
    and New Data
         SLS 3.7.1.1.4.2.1, 3.7.1.1.4.3, 3.7.1.1.4.4, 3.7.1.1.4.5,
             3.7.1.2.1.2.11.b
Save/Delete_Trial_Plan =
         {\tt Trial\_Plan\_Identification}
     and Save/Delete Indication
         SLS 3.7.1.1.4.2.1, 3.7.1.2.1.2.11.c
    Retrieve Plan =
         {\tt Trial\ Plan\_Identification}
         Flight Plan Identification
         SLS 3.7.1.1.3.3.1.1, 3.7.1.1.3.3.1.2, 3.7.1.1.3.3.2,
             3.7.1.1.4.2.3, 3.7.1.1.4.2.1, 3.7.1.2.1.2.11.d
Implement_Trial_Plan = *establish, replace*
          Trial Plan Identification
          SLS 3.7.1.1.4.2.5, 3.7.1.2.1.2.11.e
Quick Trial Planning =
          Flight_ldentification
     and Maneuver Type *altitude change, lateral route offset, speed
              change, vectors*
     and [Maneuver_Starting Range/Point] *time, distance*
          SLS 3.7.1.1.4, 3.7.1.1.4.6, 3.7.1.2.1.2.11.f
Reconformance Aid =
          Flight Identification
     and [Lateral_Maneuver_Type] *return to course, direct to next
               fix*
          SLS 3.7.1.1.4, 3.7.1.1.4.7, 3.7.1.2.1.2.11.g
Flight Plan Conflict Detection Suppression/Restore =
         (Flight Identification
          Adapted_Airspace
     ٥r
     or
          Time Period)
          SLS 3.7.1.2.1.2.11.h
Airspace_Conflict_Detection_Suppression/Restore =
         (Flight Identification
          Adapted_Airspace_ID
     or
          Time Period)
     or
          SLS 3.7.1.2.1.2.11.i
```

# Flow\_Restriction\_Violation\_Detection\_Suppression/Restore = Flight Identification SLS 3.7.1.2.1.2.11.j Approval\_Request = \*oceanic predeparture check for conflicts\* Flight\_Identification and [Proposed Departure Time] @ SLS 3.7.1.2.1.2.11.k Activate/Deactivate\_Special\_Use\_Airspace = \*activate, deactivate, modify\* Airspace Name \*adapted or dynamically defined\* and [Time Period] and [Altitude\_Limits] and [Controlling\_Agency] SLS 3.7.1.2.1,2.11.1 SECTOR WORKLOAD PREDICTION Sector\_Workload\_Prediction = \*average number of controlled aircraft predicted during selected time interval\* Time Interval SLS 3.7.1.1.4.1, 3.7.1.2.1.1.14 AERONAUTICAL AND METEOROLOGICAL DATA CHANGES A&M\_Data\_Amendment\_And\_General Information = A&M Data Amendment/General\_Information and A&M Data Type and [Station/Location/Area Identifier] and [Altitude Limits] and Text SLS 3.7.1.1.3.6, 3.7.1.1.3.6.2, 3.7.1.2.1.1.3.c. 3.7.1.2.1.2.3.a PIREP = \*generate, route\* (Flight Identification or (Type Aircraft and Location)) and [Time] and [Coordination] #force urgent PIREP\* and Text SLS 3.7.1.1.3.6.2, 3.7.1.2.1.1.3, 3.7.1.2.1.2.5.c

# Sensor Override = \*inhibit/permit airport environmental sensor data\* Sensor ID and [Fallback\_Value] and [Inhibit/Permit\_Data] SLS 3.7.1.2.1.2.3.d Display\_Alphanumeric\_Weather\_Product = Reporting Station or Sector Airspace SLS 3.7.1.1.3.6, 3.7.1.1.3.6.2 Display PIREP = Fix \*geographic area around fix\* or 2(Fix)2 \* geographic area along a line from fix-to-fix\* and [Altitude Limits] SLS 3.7.1.1.3.6.2, 3.7.1.2.1.1.3 Update\_Altimeter\_Setting @ SLS 3.7.1.1.3.6.2 SYSTEM STATUS CHANGES System Status Data Change = @ SLS 3.7.1.2.1.2.4 Data Category and Text Task Analysis DISPLAY CONTROL SITUATION DISPLAY ADJUSTMENTS Select\_Geographic\_Area = Center\_Point \*within facility area or backup area\* and Radius \*range about the center point\* @ SLS 3.7.1.2.1.1.1.1

```
Select Display Range =
         Range *10 to 800 NMI, 2 NMI increments*
          SLS 3.7.1.2.1.1.1.1
Select/Inhibit_Category_Of_Geographic_Map_Data = *grouped by airport
     runway configuration*
        {[Group Of_Fixes]}
     and([Group Of Airways])
     and([Sector Boundary]) *grouped by altitude*
     and([Special_Use_Airspace_Boundary])
     and{[Airport]}
     and([Obstruction])
     and{[Fix]}
     and{[Minimum_Vector_Altitude]} *MVA*
     and([Military Route])
     and([Holding_Pattern_Airspace])
     and (TBD)
          SLS 3,7.1.2.1.1.1.2
Emphasize/Deemphasize_Category_Of_Geographic_Map_Data =
        ([Group Of Fixes])
     and([Group_Of_Airways])
     and([Sector Boundary]) *grouped by altitude*
     and([Special Use Airspace Boundary])
     and([Airport])
     and([Obstruction])
     and{[Fix]}
     and{[Minimum_Vector Altitude]}
     and([Military Route])
     and([Holding Pattern Airspace])
     and{[Special_Use_Airspace_Alphanumerics]}
     and (TBD)
          SLS 3.7.1.2.1.1.1.2
Select/Deselect_Special_Use_Airspace_Boundary_Display = *on area-by-
     area basis*
         SLS 3.7,1.2.1.1.1.2
Reposition/Suppress_Special_Use_Airspace_Alphanumerics =
     @ $L$ 3.7.1.2.1.1.1.2
Select_Multiradar_Or_Single_Radar_Presentation *up to 4 radars*
     @ SLS 3.7.1.2.1.1.1,3, 3.7.1.2.1.1.1.7
Select/Deselect_Number_Of_Track_History Positions *up to 5*
        SLS 3.7,1.2.1.1.1.3
```

```
Select/Deselect Target/Track Data Category =
          Data Category
          SLS 3.7.1.2.1.1.1.3
Select/Inhibit_Target/Track_Altitude_Category =
          Altitude Limits *strata*
          SLS 3.7.1.2.1.1.1.3
Select/Inhibit_Display_Of_Class/Category_Of_Primary/Beacon_Targets =
          Target_Category
          SLS 3.7.1.2.1.1.1.3.a
 Select/Inhibit_Display_Of_Data_Block_Field =
         (Flight Identification
          All FDB/PDB/LDB)
     and Data Field
          SLS 3.7.1.2.1.1.3
Display/Suppress_Track_Position_Symbol =
        [{Flight Identification}] *of holding aircraft*
     or [All_Holding_Aircraft]
     or [Fix]
          SLS 3.7.1.2.1.1.1.3.e
 Select/Inhibit_Display_Of_Strobe_Lines =
          [Search_Radar_Strobe]
      and [Beacon Radar Strobe]
      @ SL$ 3.7.1.2.1.1,1.5, 3.7.2.2.1.1.1.6
 Select/Suppress_Display_Of_Range_Rings =
          [Center Point]
      and [Spacing] *2, 3, 5, 10, 25 nautical miles*
      and [Number Of Rings]
          SLS 3.7.1.2.1.1.1.12
 Suppress/Restore Full_Data Block = *holding aircraft, FDB pointout*
          Flight Identification
           SLS 3.7.1.1.3.8, 3.7.1.2.1.1.1.3.e/dd
 Suppress/Restore_Partial_Data_Block *individual target*
      @ SLS 3.7.1.2.1.1.3
 Suppress/Restore_Limited_Data_Block *individual target*
   @ SLS 3.7.1.2.1.1.3
Inhibit/Restore Display Of VFR Flight_Data
    @ SLS 3.7.1.1.3,3,2.5
```

```
Display/Suppress Hold Character =
        [{Flight Identification}]
     or [All Holding Aircraft]
     or [Fix] *all holding at fix*
         SLS 3.7.1.2.1.1.1.3.e
Adjust_Filter_Limits_For_Partial_Data_Block_Display =
         Altitude Limits
          SLS 3.7.1.2.1.1.3
Adjust_Filter_Limits_For_Limited_Data_Block_Display =
        ([Altitude Limits]
     and [Beacon_Code_Limits]
     and [Geographic Area])
         SLS 3.7.1.2.1.1.3.ea/eb/ec
Manually_Offset_Data_Block =
         (Flight Identification *FDB, PDB, LDB*
     or
     and Leader Direction
     and Leader_Length
          SLS 3.7.1.2.1.1.3
Select_Automatic:/Manual_Data_Block_Offset =
          Flight_Identification
          All FDB
     or
          SLS 3.7.1.2.1.1.1.3
Adjust_Data_Item/Category_Display_Intensity =
          Display Item *target/track symbols, track vectors, beacon
               radar strobe line*
          Data_Category *data block type, position history data*
     or
          SLS 3.7.1.2.1.1.1.3, 3.7.2.2.1.1.1.4, 3.7.2.2.1.1.1.6
Display/Delete Aircraft Halo =
         (Track
          All Tracks)
     and [Halo Size] *rad; .1 to 99 NMI*
          SLS 3.7.1.2.1.1.1.15
Select_ATC Radar_Precipitation_Level_For_Display =
          (Precipitation Level)3
     and [Geographic Area]
          SLS 3.7.1.2.1.1.1.7
Select_Automatic/Controller-Selected_ATC_Radar_Weather_Filtering =
          Geographic Area
           SLS 3.7.1.2.1.1.1.7
```

```
Select Automatic/Controller-Selected RWP Graphic Weather =
         Geographic_Area_Filter
    and Altitude
         SLS 3.7.1.2.1.1.1.8
       _________
Select_RWP_Graphic_Weather_Product_For_Display = *up to 3 products*
       {[Radar-Derived_Precipitation])6
    and (Turbulence)6
    and (Predicted Hazardous Area Outline)
    and (Current Hazardous_Area_Outline)
    ond Hazardous_Weather_Area_Outline_Product
    and IFR Area_Outline_Product
    and (Intensity_Level)
    and [Point_Data_Mosaic] *map*
    and [Echo_Tops_Mosaic] *map*
     or [Altitude_Limits]
     and [Geographic Area]
        SLS 3.7.1.1.3.6, 3.7.1.1.3.6.1, 3.7.1.2.1.1.1.8
Acknowledge Hazardous Weather Alert *deemphasize attention coding*
         SLS 3,7.1.2,1.1.1.8
Define/Delete An Inset Of Situation_Display_In_A_Viewport
     @ SLS 3.7.1.2.1.1.a.3
Request/Suppress Aircraft Conflict Display
     @ SLS 3.7.1.2.1.1.16, 3.7.1.2.1.1.1.16.1
Request/Suppress Airspace Conflict_Display
     @ SLS 3.7.1.2.1.1.1.16, 3.7.1.2.1.1.1.16.2
Request/Suppress Trial Plan Route_Display =
     @ SLS 3.7.1.2.1.1.16, 3.7.1.2.1.1.16.3
Enter/Remove Geographic_Tagging
        ({CPSD Designated Point}
     or {Fix}) *including latitude and longitude designations*
     and Line
     and Circle
     and Arc
     and Polygon
     and Alphanumeric String
         SLS 3.7.1.2.1.1.1.14
```

## FLIGHT DATA DISPLAY MANIPULATIONS Select\_Flight\_Data\_Entry\_Format = (Flight Identification FDE Posting\_List or or All FDEs) and1(FDE Format)10 @ SLS 3.7.1.2.1.1.2.a/f \_\_\_\_\_ Manually\_Post/Order\_FDE = \*place, move\* Flight Identification and Desired\_Location \*in Flight Data Area\* SLS 3.7.1.2.1.1.2.a/b Acknowledge\_FDE\_Posting/Change/Suppression/Deletion = SLS 3.7.1.2.1.1.2.a/c/d/e Inhibit/Restore\_Automatic\_FDE\_Manipulation = Post or Order Suppression Delete or SLS 3.7.1.2.1.1.2.a/b/d/e/n @ Select FDE Sort Technique \*factor priority. format\* @ SLS 3.7.1.2.1.1.2.a/b Choose Ascending/Descending FDE\_Sort Order @ SLS 3.7.1.2.1.1.2.b Suppress\_Display\_Of An FDE = Flight Identification and {list} SLS 3.7.1.1.3.3.2.5, 3.7.1.2.1.1.2.d Select FDE Organization \*of FDE types\* @ SLS 3.7.1.2.1.1.2.a Select\_Automatic/Manual\_FDE\_Post Mode @ SLS 3.7.1.2.1.1.2.a Select\_Ascending/Descending\_FDE\_Sort\_Order @ SLS 3.7.1.2.1,1.2.b Select/Deselect\_Manual\_FDE\_Acknowledgement\_Mode SLS 3.7.1.2.1.1.2.a/c/e/g

```
WEATHER DISPLAY ADJUSTMENTS
    Select_Display_Of_Weather Information =
              Weather_Product *three-dimensional graphic products from
         and [Intensity_Filter]
         and [Altitude Layer_Filter]
         and [Geographic_Area_Filter]
              SLS 3.7.1.1.3.6, 3.7.1.1.3.6.1, 3.7.1.2.1.1.10
     Select_Weather_Display_Geographic_Overlay
         @ SLS 3.7.1.2.1.1.10
AERONAUTICAL AND METEOROLOGICAL DATA DISPLAY MANIPULATIONS
     Delete_A&M_Data_Entry =
             A&M Data Entry
            SLS 3.7.1.2.1.1.3.g
     Save/Delete Display Of A&M Alert Information
             SLS 3.7.1.2.1.1.3.d.1
     Select Automatic/Manual A&M Data Ordering
          @ SLS 3.7.1.2.1.1.3.e
     Manually_Order_A&M_Data_Entry =
              Data Entry
          and Desired Location
          @ SLS 3.7.1.2.1.1.3.e
     Request PIREP Display = "by geographic area around a fix or along a
                    line from fix-to-fix, optional altitude limits*
              (Geographic_Area
             Route)
          and [Altitude Stratum]
               SLS 3.7.1.2.1.1.3
     Suppress/Restore A&M Display
          @ SLS 3.7.1.2.2.1.1
     Select_Manual_Acknowledgement_Or_Automatic_Update_Of_A&M_Data
          @ SLS 3.7.1.2.1.1.3.f
     Acknowledge A&M Alert
        @ SLS 3.7.1.2.1.1.3.f
```

# Query\_A&M\_Data\_Base SLS 3.7.1.1.3.6.23.7.1.2.1.1.3, 3.7.1.2.1.1.3.d.2 ALERT AND RESOLUTION DISPLAY MANIPULATIONS Suppress\_Alert\_Entry @ SLS 3.7.1.2.1.1.4 Suppress Conflict Resolution Advisory Displays @ SLS 3.7.1.2.1.1.4 SPECIAL LISTS MANIPULATIONS Display/Suppress Special List = Special List Identification SLS 3.7.1.2.1.1.5, 3.7.1.2.1.1.5.4, 3.7.1.2.1.1.5.5, 3.7.1.2.2.1.1 Emphasize/Deemphasize\_Special\_List\_Data\_Item SLS 3.7.1 2.1.1.5 Prioritize\_Sort\_Factors\_For Coast/Hold/Suspend\_List = SLS 3.7.1.2.1.1.5.3 (Sort Factor) and (Priority) @ Task Analysis \_\_\_\_\_\_ Select\_Flight\_Data\_Fields\_For\_Sorting\_Coast/Hold/Suspend\_List @ SLS 3.7.1.2.1.1.5.3 Select\_Ascending/Descending\_Sort\_Order\_For\_Coast/Hold/Suspend\_List @ SLS 3.7.1.2.1.1.5.3 Prioritize\_Sort\_Factors\_For\_Metering\_Advisory\_List = Advisory\_Type SLS 3.7.1.2.1.1.5.9 and (Sort Factor) and (Priority) Task Analysis Suppress/Restore\_Display\_Of\_Metering\_List\_Entry = Metering\_Entry\_Identifier and Flight Identification \*for specific metering entry suppression\* @ SLS 3.7.1.2.1.1.5.9

```
Request Emergency Airport List =
            (Flight Identification
             Designated_Track)
        and [Processing_Class_Filter] *override*
             SLS 3.7.1.2.1.1.5.10, 3.7.1.1.3.7.4
        Processing Class Filter =
                  Capable Of Handling_Small Aircraft
                  Capable Of Handling Small And Large Aircraft
             or
                  Capable Of Handling All Aircraft *small, large, heavy*
                  SLS 3.7.1.1.3.7.4
    Suppress/Restore/Delete Controller_Reminder_List_Entry =
             Controller Reminder Entry Identifier
         and Suppress/Restore/Delete_Indication
             SLS 3.7.1.2.1.1.5.11, 3.7.1.2.1.2.11.m
    Request_Expanded_Emergency_Airport_Information
         @ SLS 3.7.1.2.1.1.5.10
    Request_Display_Of_Callsigns_Of_Suppressed_Group
         @ SLS 3.7.1.2.1.1.5.4
    Suppress_Callsigns_From_Flow Restriction Sublist
         @ SLS 3.7,1,2.1,1,5,8
    Request_Applicable_Criteria_For_Flow_Restriction_Entry
         @ SLS 3.7.1.2.1.1.5.8
MESSAGE MANIPULATIONS
    Query_Data_Base For Selected Readout =
              Data \overline{\text{D}}escription *flight plan, weather data, route,
                   ATC Mail message, etc.*
              SLS 3.7.1.2.1.1.3.d2, 3.7.1.2.1.1.6
                   *assigned/ reported altitude*
              Task Analysis/ ARTS Functionality
    Compose_ATC_Mail =
              Text_Of Message
         and (Recipient)
         and [Priority_Designator]
              SLS 3.7.1.1.3.7.1, 3.7.1.2.1.2.10.a
         and [Controller_Note]
             SLS 3.7.1.2.1,1.18
```

## Table C-2. Input Messages (Continued) Edit\_ATC Mail = "to view and/or edit existing message" (ATC Mail Message) and (Recipient) and [Cut-And-Paste] and [Select/Copy-And-Paste] SLS 3.7.1.1.3.7.1. 3.7.1.2.1.2.10.b Save ATC Mgil = \*save, recall\* ATC\_Mail\_Message and [Portion\_To\_Save] SLS 3.7.1.1.3.7.1, 3.7.1.2.1.2.10.c Delete\_ATC\_Mail = ATC Mail Message SLS 3.7.1.1.3.7.1, 3.7.1.2.1.2.10.d Acknowledge Receipt Of Priority\_ATC\_Mail @ SLS 3.7.1.1.3.7.1 Save/Delete A&M Data Base Information SLS 3.7.1.2.1.1.3.d2, 3.7.1.2.1.1.6 Display Quick Reference Message Entry Format @ SLS 3.7.1,2,1,2.aa2 Display\_Quick\_Reference\_Message\_Entry\_Format\_Data @ SLS 3.7.1.2.1.2.aa2 Save\_Query\_Response Data\_On\_Other\_Display = Display For Message Data Save and [Portion To Save] @ SLS 3.7.1,2.1.1.6 AIRPORT ENVIRONMENTAL DATA DISPLAY MANIPULATIONS Display/Suppress\_Airport\_Environmental\_Data @ SLS 3.7.1,2.1.1.7, 3.7.1.2.2.1 Emphasize/Deemphasize\_Environmental\_Data Item @ SLS 3.7,1,2,1.1.7 ATIS\_Character @ Task Analysis/ ARTS Functionality

# Table C-2. Input Messages (Continued) SYSTEM STATUS DATA DISPLAY MANIPULATIONS Display/Suppress System Status Data = {System\_Status\_Data\_Category} SLS 3.7.1.2.1.1.8, 3.7.1.2.2.1.1 Emphasize/Deemphasize\_System\_Status\_Data\_Item @ SLS 3.7.1.2.1.1.8 STATIC INFORMATION DISPLAY MANIPULATIONS Display/Suppress Static Information = Static\_Information\_Item\_Identification or Index/Table\_Of\_Contents SLS 3.7.1.2.1.1.9, 3.7.1.2.2.1.1 CONTROLLER NOTEPAD DISPLAY MANIPULATIONS Controller Note = \*electronic scratchpad\* [Text] \*enter, delete, edit/modify\* SL\$ 3.7.1.2.1.1.18 Display/Suppress\_Controller\_Notepad\_Display @ SLS 3.7.1.2.2.1.1 AERA ALERT DISPLAY MANIPULATIONS Suppress Display Of AERA Alert @ SLS 3.7.1.2.1.1.20 SIGN ON/SIGN OFF Sign\_On = User Identification and {Operational\_Responsibility\_Designator} and [Display\_Preference\_Set\_Identifier] @ SLS 3.7.1.1.3.7.3, 3.7.1.2.1.2.9a

```
Sign Off
              User Identification
         and{[Operational Responsibility Designator]}
              SLS 3.7.1.1.3.7.3, 3.7.1.2.1.2.9b
    Modify_Display_Preference_Set =
              User Identification
         and Password
         and Display Preference Identifier
         and (Data To Be Changed)
              SLS 3.7.1.1.3.7.5, 3.7.1.2.1.2.9.c
    Display/Invoke_Display_Preference_Set =
              Display Preference Identifier
         and([Logical_Display_Identifier])
         and [Current_Display_Selections]
         and [Invoke]
         and([Logical Display Viewport Location])
         and [Portion Of Preference Set]
              SLS 3.7.1.1.3.7.3, 3.7.1.1.3.7.5, 3.7.1.2.1.2.ab,
                   3.7.1.2.1,2.9.d
PARAMETER ADJUSTMENTS
    Console_Configuration Edit =
              (Display_Preference_ID)10
          and Logical_Display_Viewport_Location
          and Logical_Display_Viewport_Size
          and (Data_Item_Assignment_To_Brightness_Control_Group)
          and (Display Attributes) *brightness, symbol size, etc.*
          and (Posting_Options_Per_Display)
          and (Ordering_Options_Per_Display)
          and (Updating_Options_Per_Display)
          ond (Deleting_Options_Per_Display)
          and (Formatting_Options_Per_Display)
          and (Form-Filling_Default_Value)
          and (Menu-Selection Default Value)
1
               SLS 3.7.1.1.3.7.5, 3.7.1.2.1.2.ab
```

```
GENERAL DISPLAY FUNCTIONS
    Draw/Remove Graphics = *main display*
             Series_Of_Dots *line, circle, arc*
         and Series_Of_Short_Dashes *line, circle, arc*
         and Series Of Long Dashes *line, circle, arc*
         and (Continuous Line
         and Continuous_Circle
         and Continuous Arc)
         and Series_Of_Dots_And_Dashes *line, circle, arc*
             SLS 3.7.1.2.3.1.1.2
    Request_Assignment_Of_Logical_Display_To_One_Physical_Display =
      *where not otherwise specified*
             Logical_Display
         and [Display Portion]
         and Physical_Display
         and [Viewport Location]
             SLS 3.7.1.1.3.7.5, 3.7.1.2.1.1.a
    Page/Scroll
         SLS 3.7.1.2.1.1, 3.7.1.2.1.1.2, 3.7.1.2.1.1.5.10,
                 3.2.1.2.1.1.9
    Select_Character/Symbol_Size =
            Viewport
             SLS 3.7.1.2.1.1.a/f, 3.7.1.2.3.1.1.1
    Adjust Display Size/Shape/Location
      @ SLS 3.7.1.2.1.1.a
    Adjust Brightness Of Data Class
        @ SLS 3.7.1.2.3.1.1.4
   Select_Display_Area_Background_Shading
         @ SLS 3.7.1.2.3.1.1.3
    Deemphasize_Emphasized_Display_Item *message acknowledgement*
        @ SLS 3.7 1.2.1.1.q
     Define/Delete_A_Viewport_On_A_Display_Surface
         @ SLS 3,7.1.2.1.1.a.3
   Terminate_Auditory_Caution/Warning_Alarm *acknowledge signal*
        @ $L$ 3.7.1.2.1.1.1
```

```
Terminate/Set-Aside/Resume_Process_Or_Transaction
     @ SLS 3.7.1.2.1.2.aa/af
Display Quick Reference_Message Entry Format
     @ SLS 3.7.1.2.1.2.aa2
Pick Menu Option
    @ SLS 3.7.1.2.1.2.aa3
Return_To_Previous (Higher) Level of Hierarchical Menu

    SLS 3.7.1.2,1.2.aa3

Enter Function Key Command
     @ SLS 3.7.1.2.1.2.aa4
Compose Function Key Command *via alphanumeric keyboard*
    @ SLS 3.7.1.2.1.2.aa4
Edit/Correct Data Entry Error

    SLS 3.7.1.2.1.2.af

Select_Display_Object_By_Pointing_With_Cursor_Positioning/Selection_
     Device
          SLS 3.7.1.2.1.2.ai
Select_Display_Location_Coordinates_With_Cursor_Positioning/Selection_
     Device
         SLS 3.7.1.2.1.2.aj
```

### APPENDIX D

### TASK CHARACTERIZATION ANALYSES

Included within this appendix are three separate task characterization analyses (reference Volume I, Section 3.4):

- 1. Task Information Requirements
- 2. Cognitive/Sensory Attributes
- 3. Performance Requirements
- 4. Deleted

### TASK INFORMATION REQUIREMENTS

Task Information Requirements are developed by associating controller tasks with system communication messages, and occasionally by direct observation. Communications messages can be to or from another ACF sector controller, an ACF Area Supervisor, a computer display, or someone outside the ACF, such as an ATCT controller. The available system communication input and output messages for ACF/ACCC sector controllers are listed in Appendix C.

ACCC messages include controller-entered messages which may or may not update the ACCC data base, or computer output messages such as data blocks, flight data, weather, or status information. Messages between ACF positions or towers may be communicated by Voice Switching and Control System (VSCS), ATC Mail, or system function messages.

The following summarizes the components of the Task Information Requirements table (reference Section 3.4.1 of Volume I for more discussion):

Task Type: Tasks are categorized as belonging to one or more of four types:

- E (ENTRY) Entry of data into ACCC by system message (e.g., function key) or by ATC Mail
- R (RECEIPT) Receipt of information by means other than by voice communication; includes system messages, ATC Mail, and direct observation
- A (ANALYTICAL) Cognitive assessment and evaluation of data, involving no input or output of information unless combined with another task type
- VC (VERBAL COMMUNICATION) Transfer or exchange of information with another person via VSCS or directly.

Information Received (by the Controller): Information can be received via Common Console display (including ATC Mail) or direct observation. Verbal coordination is not addressed. The topic of ATC Mail or object of direct observation is cited in non-UIL message terms.

Information Source: The source of information received can be a specific Sector Suite display, class of output message, ATC Mail, or direct observation.

Information Entered (by the Controller): Information is entered by the controller via console data input to the system. For information entered into ATC Mail, only the term "Textual ATC Mail" is shown.

Frequency Tasks are assessed relative to all other controller tasks as having HIGH (HI), MEDIUM (MED), or LOW (LOW) frequency of performance.

Criticality: Tasks are assessed relative to all other controller tasks as having EXTREME (EXT), HIGH (HI), MEDIUM (MED), or LOW (LOW) criticality.

System input messages, display output messages, and logical displays are stated in the terms provided in the User Interface Language of Appendix C. The context of a task's use in the Composition Graphs of Appendix A determines the extent of secondary task types associated with the primary nature of the task, as implied by the task action verb.

Controller activity and sub-activity statements are included in the table listing, as are the two macros, but their information requirements are not listed.

Of the 428 ACF/ACCC controller tasks, 168 tasks (39 percent) are rated as either Extreme or High criticality (25 Extreme and 143 High). Medium criticality is assigned to 141 tasks (33 percent). The remaining 119 tasks (28 percent) receive a Low criticality rating. Criticality ratings do not take into consideration the frequency of task performance. Thus, a number of the tasks involved with system malfunctions receive a High criticality rating because, when they would need to be performed, they would be critical to operations.

<del>,</del>	,	lask	Information Requ	irements			
Task Number	Task Stalement	Tosk Type	Information Received	Information Source	Information Entered	Freq	Crit
41	PERFORM ACF DOMESTIC AIR TRAFFIC CONTROL						
A1.0.0.0	GENERATE CLEARANCE						ļ
A1.0.0.1	TRIAL PLANNING			j			
A1,1	PERFORM SITUATION MONITORING						
A1.1.1	CHECKING AND EVALUATING SEPARATION						
A1.1.1.1	REVIEW FLIGHT DATA DISPLAY FOR PRESENT AND/ OR FUTURE AIRCRAFT SEPARATION	R/A	FLIGHT DATA ENTRY. FLIGHT DATA READOUT AREA	FLIGHT DATA DISPLAY	N/A	н	E
A1.1.1.2	REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF AIRCRAFT SEPARATION STANDARDS	R/A	FULL DATA BLOCK, PARTIAL DATA BLOCK, LIMITED DATA BLOCK, TARGET POSITION SYMBOL, OBSTRUCTION, ROUTE DISPLAY	SITUATION DISPLAY	N/A	н	E
41,1,1,3	REQUEST CONTINUOUS RANGE READOUT	E/R/A	CONTINUOUS RANGE READOUT	SITUATION DISPLAY	FLIGHT ID. POINT ID. CONTINUOUS RANGE READOUT FUNCTION	L	L
A1.1.1.4	PROJECT MENTALLY AN AIRCRAFT'S FUTURE POSITION/ ALTITUDE/ PATH	R/A	FULL DATA BLOCK. LIMITED DATA BLOCK. TARGET POSITION SYMBOL. OBSTRUCTION. WEATHER DESCRIPTOR. FILIGHT DATA ENTRY	SITUATION DISPLAY, FLIGHT DATA DISPLAY	N/A	H	ij
41,1.1.5	REQUEST RANGE/ BEARING/ TIME MESSAGE, WITH OPTIONS	E/R/A	FIX/ TIME READOUT, RANGE/ BEARING READOUT, MANGE/ BEARING/ FIX READOUT	SITUATION DISPLAY	FLIGHT 10, FIX, POINT 10, TIME, SPEED, MAGNETIC/ TRUE BEARING, FIX, TIME NY ADOUT, RANSE, BEARING READOUT, RANGE BEARING, FIX	<u>t</u>	-
A1.1.1.6	FORCE/ QUICK LOOK FULL DATA BLOCK(S) TO EXAMINE TRACK INFORMATION ON AIRCRAFT	E/R/A	FULL DATA BLOCK	SITUATION DISPLAY	FLIGHT ID, FORCE DATA BLOOK, SECTOR NUMBER, QUICK LOOK	L	۲
A1,1,1,7	DETERMINE WHETHER AIRCRAFT MAY BE SEPARATED BY LESS THAN PRESCRIBED MINIMA	A	N/A	N/A	N/A	n	£
A1.1.1.8	SELECT FDE SORTING PRIORITY SCHEME	Ę	N/A	N/A	SELECT FDE SORT TECHNIQUE	L	-
11.1.1.9	OBSERVE TRACK VELCCITY/ DISTANCE VECTOR TO PROJECT AIRCRAFT MOVEMENT	E/R/A	TRACK DISTANCE VECTOR, TRACK VELOCITY VECTOR	SITUATION DISPLAY	FEIGHT ID, MINUTES, REQUEST TRACK VELOCITY VECTOR, MILES, REQUEST TRACK DISTANCE VECTOR	h	*
±1,1,1,10	READ OUT VERTICAL VELOCITY TO ASSESS POTENTIAL CONFLICT	E/R	VERTICAL VELOCITY	SITUATION DISPLAY	FLIGHT ID, VERTICAL VELOCITY READOUT	L	-
±1,1,1,11	SUPPRESS CONTINUOUS RANGE READOUT	Ε	N/A	N'A	FLIGHT ID, POINT ID, SUPPRESS, CONTINLOUS RANGE READOUT		
P1.1.1 12	REVIEW SITUATION DISPLAY FOR PUTENTIAL VIOLATION OF AIRSPACE SEPARATION STANDARDS	R./A	FULL DATA BLOCK, LIMITED DATA BLOCK, TARGET POSITION SYMBOL, ROUTE DISPLAY, SPECIAL USE AIRSPACE	SITUATION DISPLAY	` \ \	Г	1

DOT/FAA/AP-87-01(VOL#2) CHG 1 29 July 1988

		Tasl	Information Requ	uirements			
Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
A1.1.1.13	REVIEW DISPLAYS FOR POTENTIAL VIOLATION OF FLOW RESTRICTIONS	R/A	FULL DATA BLOCK, TARGET POSITION SYMBOL, METERING ADVISORY LIST ENTRY, TRAFFIC MANAGEMENT ADVISORY LIST, WEATHER DESCRIPTOR, FDE	SITUATION DISPLAY, SPECIAL LISTS, METERING ADVISORY LIST, FLIGHT DATA DISPLAY	N/A	н	E
A1.1.1.14	REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF CONFORMANCE CRITERIA	R/A	TARGET POSITION SYMBOL, ALTITUDE NONCOMFORMANCE INDICATOR, LATERAL NUNCOMFORMANCE INDICATOR, GEOGRAPHIC MAP DATA	SITUATION DISPLAY, FULL DATA BLOCK	N/A	Н	М
41.1.1.15	DETERMINE WHETHER AIRSPACE SEPARATION STANDARDS MAY BE VIOLATED	A	N/A	N/A	N/A	н	E
A1.1.1.16	DETERMINE WHETHER CONFORMANCE CRITERIA MAY BE VIOLATED	A	N/A	N/A	N/A	н	М
A1 1.17	DETERMINE WHETHER FLOW RESTRICTIONS MAY BE VIOLATED	A	N/A	N/A	N/A	н	н
A1.1.1.18	REQUEST DISPLAY OF CLEARED ROUTE FOR A FLIGHT	E/R	ROUTE DISPLAY, PLANNED ROUTE OF SINGLE AIRCRAFT	SITUATION DISPLAY	FLIGHT ID, MINUTES OF FLIGHT TIME, REQUEST ROUTE DISPLAY	L	L.
A1.1.2	RECEIVING SYSTEM STATUS INFORMATION						
41,1.2.1	OBSERVE DISPLAY OF NEW/ CHANCED EQUIPMENT/ OPERATIONAL STATUS	R/A	EQUIPMENT STATUS, COTTUNICATION STATUS, CUMPULER OUTAGE, DATA COMMUNICATION LINE OUTAGE, VOICE COMMUNICATION LINE OUTAGE	SYSTEM STATUS DATA DISPLAY, VSCS A/G DISPLAY, VSCS G/G DISPLAY	N/A	L	Μ
A*.1.2.2	ENTER SYSTEM STATUS DATA CHANGE	E	N/A	N/A	SYSTEM STATUS DATA CHANGE	L	м
ar.1.2. <b>3</b>	RECEIVE NOTICE OF STATUS OF ADDACENT/ BADAUP ACF AUTOMATION EQUIPMENT	R/VC	ADJACENT/ BACKUP ACF AUTOMATION EQUIPMENT STATUS	TEXTUAL ATC MAIL	N/A	L	L
A1 1.2.=	DETECT EQUIPMENT SERVICE INTERRUPTION/ RESTORATION	R	EQPT STATUS, COMPUTER OUTAGE, USAGE OF OPERATIONAL FUNCTIONS	OIRECT OBSERVATION	N/A	L	-
A1,1,2 5	HECEIVE NOTICE OF COMMUNICATION STATUS	R/ VC	COMPUNICATION STATUS	TEXTUAL ATC MAIL	N/A	į	м
41.1.2.6	REQUEST REPORT ON NAVAID STATUS	vc	N/A	N'A	N/A	ı	۳.
A1,1,3	ANALYZING INITIAL REQUESTS FOR CLEARANCES						
≙1,1, <b>3</b> ,1	SEARCH DISPLAY FOR INACTIVE FLIGHT PLAN ON CLEARANCE REQUEST	R/A	FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY	N A		-
41,1,3.2	REQUEST FLIGHT DATA READOUT	E/R/A	FLIGH' DATA REACOUT AREA	SLIGHT DATA DISPLAY	FUIGHT 10, REQUEST FUIGHT DATA READOUT	L	-
41.1.3.3	REQUEST FLIGHT DATA ENTRY FORMAT CHANGE	ε	FLIGHT DATA ENTRY	FLIGHT DATA VAJSZIC	FLIGHT ID, FOE POSTING LIST, ALL FOE'S, FOE FORMAT, SELECT FLIGHT DATA ENTRY FORMAT		٦
A1,1,4	PROCESSING DEPARTURE/ EN ROUTS TIME INFORMATION						

DOT FAA, AP-87-01(VOL#2) CHG 1 29 July 1988

		Task	Information Req	uirements			
Task Number	Tas⊬ Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
A1.1.4.1	ENTER DEPARTURE/ EN ROUTE TIME MESSAGE	E	N/A	N/A	FLIGHT ID, DEPARTURE TIME, ASSIGNED ALTITUDE, DEPARTURE, FIX, FIX INFORMATION, PROGRESS REPORT	L	ia
A1.1.4.2	INITIATE TRACK MANUALLY	E/R	FULL DATA BLOCK, TARGET/ TRACK DESCRIPTOR	SITUATION DISPLAY	FLIGHT ID, TRACK ACTION (START), TRACK START POSITION, HEADING, SPEED, ASSIGNED ALTITUDE, TRACK	L	14
A1.1.4.3	OBSERVE AUTOMATIC TRACK START	R	FULL DATA BLOCK, TARGET/ TRACK DESCRIPTOR	SITUATION DISPLAY	N/A	м	н
A1.1.4.4	RECEIVE DEPARTURE/ EN ROUTE TIME NOTICE	R/VC	DEPARTURE MESSAGE. PROGRESS REPORT *en route time*	TEXTUAL ATC MAIL	N/A	L	н
A1.1.4.5	REQUEST FLIGHT PLAN EXTRAPOLATION FOR A TRACK	E	N/A	N/A	FLIGHT ID, FLIGHT PLAN EXTRAPOLATION	Ĺ	L
A1.1.4.6	OBSERVE EXTRAPOLATED FLIGHT PLAN POSITION ON A TRACK	R,'A	FLIGHT PLAN EXTRAPOLATION INDICATOR, ROUTE DISPLAY	FULL DATA BLOCK, SITUATION DISPLAY	N/A	l.	M
a1.1.5	PROCESSING REQUESTS FOR FLIGHT FOLLOWING						
41,1,5,1	EVALUATE CONDITIONS FOR PROVIDING FLIGHT FOLLOWING	R. A	FULL DATA BLOCK, FLIGHT DATA ENTRY, SPECIAL LISTS, ALERT CONDITION, WEATHER DESCRIPTOR SYSTEM STATUS IN GRMATION	SITUATION DISP, FLIGHT DATA DISP, SPECIAL LISTS, ALERT & RESOLUTION DISP, SWS STATUS DATA DISP	<b>№</b> A		*
\$1,1,5,2	RECEIVE REQUEST FOR FLIGHT FOLLOWING	R, VC	FE1GHT FOLLOWING REQUEST	TEXTUAL ATO MAIL	**		
A1.1.5.3	DENZ FLIGHT FOLLOWING REQUEST	E. VC	N.A.	<b>X</b> 3	TERTIAL ATERAGE		
41 1.5.4	REQUEST 40510N BEACON CODE TO A15URAFF	£ 8 .2	BEAZON CODE	#1990N.c 0199.44 #11941 0074 18744	5.109** 101. \$54.034 2006 - 106. 56866* 3651344*39 - 315536** 2006. 542.65*		
a1.1.5 5	INFORM PILLOT OF ALTERNATE INSTRUCTIONS NOISESSAMY FOR FULTOHI FOLLOWING TERVICE	•3	<b>*</b> *	X 1			-
11.16	HOUSEKEEP ING					1	
AT.1.6.1	OFFSET A DATA BLOCK	ξ	<b>\</b> •	<b>X</b> 2	FLORATION LEADER DIRECTION LEADER LENGTH, MANUALLY DESCRIPTION & 3000		•
41 1.6.2	UPDATE/ REVISE CONTROLLER NOTE	E	\ \ A	N 3	EDIT MUDIFY TONTROLLER MOTE	-	
A1.1.6.3	DELETE FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM ATO SYSTEM	E	N/A	N/A	TUIDIT IDENTIFICATION, DROP FUIGHT PLAN		-
41.1.5.4	DELETE FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM LOCAL ACCC SYSTEM	£	N.'A	N/A	FLIGHT IDENTIFICATION, GROP FLIGHT PLAN INTERNAL	ι.	
47.1.6.5	SUPPRESS DISPLAY OF FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM ALL DISPLAYS IN OWN SECTOR SUITE	E	N/A	N/A	FLIGHT ID, SUPPRESS FULL DATA BLOCK AND FLIGHT DATA ENTRY	l	

DOT/FAA/AP-87-01(VOL#2) CHG 1 29 July 1938

		-	Information Req	TIT CINGING			
Task Number	Task Statement	Task Type	Information Received	Information Sounce	Information Entered	freq	Crit
A1.1,6.6	RESTORE DISPLAY OF FLIGHT DATA ENTRY AND FULL DATA BLOCK TO ALL DISPLAYS ON OWN SECTOR SUITE	E	N/A	N/A	FLIGHT ID, RESTORE FULL DATA BLOCK AND FLIGHT DATA ENTRY	Ļ	М
A1.1.6.7	SUPPRESS DATA BLOCK FROM ALL DISPLAYS IN CUN SECTOR SUITE	E	N/A	N./A	FLIGHT 1D, SUPPRESS FULL DATA BLOCK. SUPPRESS LIMITED DATA RLOCK, SUPPRESS PARTIAL DATA BLOCK	l.	i
A1.1,5.8	RESTORE DATA BLOCK TO ALL DISPLAYS IN CUN SECTOR SUITE	E	N/A	N/t.	FLIGHT ID, DISPLAY FULL DATA BLOCK, DISPLAY LIMITED DATA BLOCK, DISPLAY PARTIAL DATA BLOCK	L,	М
A1.1.6.9	SUPPRESS FLIGHT DATA ENTRY FROM ALL DISPLAYS IN Own SECTOR SUITE	E	N/A	N/A	FLIGHT IU, LIST, SUPPRESS DISPLAY OF AN FDE		L
41.1.6.10	RESTORE FLIGHT DATA ENTRY TO ALL DISPLAYS IN OWN SECTOR SUITE	E	N/A	N/A	FLIGHT ID, REQUEST FDE'S	ι	L
A1.1.6.11	ENTER FDE NGTATIONS	Ε	FLIGHT DATA ENTRY NOTCATION	FLIGHT DATA ENTRY, FLIGHT DATA DISPLAY	FLIGHT ID. FIELD TO BE MODIFIED. NEW DATA. FLIGHT DATA AMENOMENT. ALTITUDE RESTRICTION MESSAGE. LOST OR TERMINATED IMDICATOR. RADAR CONTACT	H	L
5 .2	DELETE FOE NOTATIONS	E	N/A	<b>∿</b> ′A	FLISHT ID. FIELD TO BE DELETED, FLIGH! DATA ANENDMENT, ALTITUDE RESTRICTION MESSAGE, LUSI ON TERMINATED INDICATOR, RADAR CONTACT	l	м
÷ ·5	PECENTAL FLORE DATA ENTER MANAGET	Ē	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		MANUALLY POST/ ORDER FDE	(	L
÷	REFERENCE NOTE	÷	\ 1	\	DELETE CONTROLLER NOTE	L	:
• -	DELETE SONTER PICTUATA NOTE TATA ALCO	i	\.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	FLIGHT ID, DATA, DELETE SCRATCH PAD DATA	L	i.
	egit granda egalanit "Den 177						
	1 2 500 St. 2 2)2441 26 - 17 6552 27 26						
	SETEMATERATIONS TO AGREEM NO DATION	*	TOWNIET ALERT TOWNIET ALERT THEIDATION ALERT THRE, ALERT CONLITTON, DALLSIGN	ALERT AND RESOLUTION DISPLAY, FULL DATA BLOCK, FLIGHT DATA ENTRY NUTATION	<b>^</b> A	į.	ξ.
	CETATINE ACCOUNTS OF POSTERNIAL ACCOUNTS OF P			<b>N</b> A	N 10		
11 <b>2 1 3</b>	PEDETAL CONTROLLER MOTICE OF POTENTIAL ATRICHAFT CONFLICT IN SECTOR	VS	<b>\</b> A	N/A	N, A	l	٤
41 2 1 4	INFORM CONTROLLER OF POTENTIAL AIRCRAFT CONFLICT IN HIS SECTOR	ve	N'A	N/A	N.'A	L	ξ
A1.2.1.5	FORWARD NOTICE OF AIRCRAFT CONFLICT TO	E/VC	N/A	N/A	ATC MAIL		<u>_</u>

DOT/FAA/AP-87-01(VOL#2) CHG 1 29 July 1988

		IGSK	Information Requ	urements			
Truk Normber	Tarak Matemera	Tark Typer	Intornation Reserved	Information Source	Information interes	ireq	Crit
11 . 1 6	ordan cawata walion walion	кла	≑uNag 1c1 kg siden#TuN ADV[siDsy	ALERT AND RESOLUTION STOPLAY, STONTION DESILAY	N/ <sup>1</sup>	ı	ŧ
V 2 1 7	SEVER POREN A PROJECT OF CARRON SERVICE SERVICEN	ή 7	OUT DATA BLOCK, CIMITED DATA PLOCK, OLIGHE DATA INTEX, DINCELLE RELUCTION ADVISORY OF FUN	SETUALION SESSE AY, ELLION DATA DESTAY, ALERE AND RESOLUTION DISPLAY	N/A	ŧ	н
11.114	BERMINE APPROPRIAT, ACTION TO GEORGE ADERNATE CONCERN ADMINISTRA	A	N A	N A	tv/A	1	ł
17.39	PERCE DE COMENCIAC ADREMANTO PONCEICE LEMATION	K. A	FRE DATA GERK, FIMITED DATA BEOCK, FEDOUS DATA ENTRY	TATUALIAN BUTUN AY, IT IGHI TANA PEUN AY	N. A	ı	
71.2.2	PERKORMINA MINIMAM (2006) AUTITODE PRODESSINA						
	BIEGE MINAGE (NY) PALLON RIALAGM	K	MINIMEM JAKE A, I (1010) MANATHO, ALEKE INTE, ALEKE MANATHION AGKAL ALAKM	ACTICL AND BULLEGY JON DEPLAY, FOLD DATA, BULLS	N. A	ı	ı
1	ong ARO N° 11(1 (0) VAC1B MAWOR OF Ind A 251 (1 (0) ) JUNEAU AR	1 1/1	*• A	N/O	H+FUAL ATC MAJE	ı	:
*	PELEVAL CON POLICEM NULL E DE POLENTIAC MUAL. IN ACTUR	<b>↓</b> C	\ A	N A	N A	ı	,
	(No BeM CUN'N 1 CENTRE OF TOTAL MILANT IN HELL TOTAL	V	<b>v</b> :	N A	N A	l	~
	ERCLER FOR NEAR EDG ACTIONS OF BUILDING	k. A	CORE BALA BENCE, CIMELED DATA BENCE, CIGGE DATA ENTEN, OF SHORT DATA MENTAL BALA MENTAL BALA ACTIONA ACTIONA ACTIONA	LIDBATON STATAY, FITGO DATA BLIFTAY	N A	1	ŀ
N. 2. 2. 6	REPAIN VALUED OF MIALA THE OR INJUATION	Α	\~ A	1 1 1 1	N. A		
	BONNEL TERMINISTE AUTON GENTALIA LON AUTONICATONA EN	,	NA	4.5	N A		
13123	CERCUMANNO ATROUATE ONC ECS PROCESSING			1			
11 / 5 1	[ NO SHAPE CONTREQUES OF PROPERTY OF PROPERTY OF THE COMPANY OF TH	Vi T	N C	* ^	TEHRAL AT: MATE	,	į
5 232	on FIA TONDOODER NOTECH OF STENEDA ATROPAGE SOMET FIN NOTECH	ψl	N A	N A	<b>№</b> 6		,
11.7.3.3	TO FIXALISE DISOLOGY FLANCINIA EN LATERS	i vt	N A	N Λ	H+THAL ALL MAIL	'	
at a Na	MINETVE DENTAL OF THE OF THE APPLIANCE.	R, \$1,	PRINTER OF ATERACE WHITE ATERACE	TEXTURE ATC MATC.	<i>'</i> ⊌ A	;	м
\$1 / <b>5</b> %	SETELAL APPROVAL FOR REL OF THE CLARK TEXT A LOCATE	r A.	ATRIBACE RECEASE A JEPTANO	TENTIAL ATE MATE	N A	1	۳
S 2 5 %	STERMINE VALIDITY OF STRUCKT LOWER TO NOTE: OR THIS LATTON	۸	N/A	N A	<b>*</b> *	,	

DOJ TAA, MP87 06 VOL#2) CHG 1 - 29 July 1938

		lask	Information Requ	irements			
Task Number	Tosk Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
a1.2.3.7	PERCEINT POTENTIAL AIRSPACE CONFLICT SITUATION	R/A	FULL DATA BLOCK LIMITED DATA BLOCK, FLIGHT DATA ENTRY, GEOGRAFHIC MAP DATA	SITUATION DISPLAY, FLIGHT DATA DISPLAY	N/A	м	н
41.2.3.8	DETERMINE APPROPRIATE ACTION TO RESOLVE AIRSPACE CONFEICT SITUATION	А	N/A	N/A	N/A	L	н
A1.2.4	ISSUING UNSAFE CONDITION ADVISORIES						
A1,2,4,1	OBSERVE DISPLAY FOR FIXED OBSTRUCTIONS THAT MAY INTERFERE WITH AIRCRAFT FLIGHT	R/A	OBSTRUCTION, TARGET POSITION SYMBOL. FLIGHT CATA ENTRY	SITUATION DISPLAY, FLIGHT DATA DISPLAY	N/A	L	н
41.2.4.2	EVALUATE CONFLICT RESOLUTION AGVISORY APPROPRIATENESS FOR PILOTA ROUTEA FITTINGSA WEATHER	R/A	CONFILICT RESOLUTION ADVISCRY	SITUATION DISPLAY, ALERT AND RESOLUTION DISPLAY	N/A		н
11.2.4.5	FORMULATE ADVISORY/ SAFETY ALERT CONTENT	Δ	Ν. Δ	N/A	N/A	l	н
41,2,4-4	OETEC: AIRCRAFT MANEUVER IN RESPONSE TO ADVISORY/ ALERT	R.:A	TARGET POSITION SYMBOL, DATA BLOCK, HOSITION HISTORY	SITUATION DISPLAY	N/A	l.	н
±1,7 4.5	ISSUE TRAFFIC ADVISORY/ SAFETY ALERT IN REDARD TO TRAFFIC PROXIMITY	٧Ç	N/A	N/A	N/A	M	,
41.2.4.6	INFORM PILOT WHEN CLEAR OF TRAFFIC	VC	\ \ <u>\</u>	N/4	N, A	M	L
21.2 4.7	ISSUE ADVISORY IN REGARD TO A NON CONTROLLED CBUECT	ve.	<b>\</b> :	N. A.	N/A	L	7
A1,2,4,9	INFORM PILOT WHEN CLEAR OF NON-CONTROLLED OBJECT	V'.	\ A	N A	N/A	L	L
A1.2.4 9	ISSUE AGUISORY IN REGARD TO RESTRICTED AIRSPACE PROXIMITY	NC.	\ \ \ \	N A	\		*
\$1.2 4.18	ISSUE ADVISORY IN REGARD TO FEIGHT PLAN DEVIATION	10	N. Z	N A	N A	l	4
41,2,4,31	EVALUATE MSAM ESCLUTION ADVISORY IN RELATION TO ATROPART TYPE/ PILOT'S INTENTIONS	R/L	MEDAL MESCHITTON ADVISORY, TRACH, ALRSEADE RE CEUTION AUSTSORY, ALFORAFT TYPE, MULY JECTOR	ALERI AND RESOLUTION DISPLAY, Ultuation DISPLAY, FULL DATA BLOCK, FUISHL DATA ENTRY	N.: A		,
±1.2 <b>4 17</b>	ISOUS SAFETY ACERT IN REGARD TO MUNIFICAL ACTUMODE	٨Ċ	N/2	` A	N <sub>2</sub> . Δ	i	-
41.2 4.13	OBSCRUE DISPLAY FOR MON-CONTROLLED AIRBORNE DISCRESS THAT MAY ENTERPORTED AIRBORAFT FEIGHT	A, A	TARGET POSITION SYMBOL	SITUATION DISPLA.	N. A.	!	-
ā. Ş # .	OLITERMINE NEED FOR ADVISORY, SAFETY ALERT/ CLEARANCE	٨	*./A	* <sub>4</sub> ′A	\ \^A		۳
A1.2.5	SUPPRESSING ALERIS/ RESOLUTION ADVISORIES						
A1.2.5.1	DETERMINE VALIDITY/ APPROPRIATIONESS OF DISPLAY OF AN ACERT,' RESOLUTION ADVISORY	R/A	ALERT CONDITION, COMPUTER-GENERATED CONFLICT RESOLUTION, DATA BLUCK	ALERT AND RESOLUTION DISPLAY, SITUATION DISPLAY	N/A		,,

DOTA-AA/AP 87 01(VOL#2) CHG 1 29 July 1988

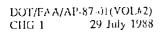
Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
A1.2.5.2	SUPPRESS CONFLICT ALERT FOR PAIRED AIRCRAFT	E	N, A	N/A	FLIGHT ID, SUPPRESS ALERI INDICATOR, SUPPRESS CONFLICT ALERT PAIR/ CONFLICT RESOLUTION ADVISORY	Ļ	L
A1.2.5. <b>3</b>	SUPPRESS CONFLICT ALERT FOR GROUP SUPPRESSION	E	N/A	N/A	ACTION INDICATOR (SUPPRESS), FLIGHT ID, GROUP ID, TIME FERIOD, AIRSPACE, ALTITUDE RANGE, GROUP SUPPRESSION	Ĺ	L
N1.2.5.4	SUPPRESS MSAW RESOLUTION ADVISORY FOR AN AIRCRAFT	Ë	N/A	N/A	FLIGHT IDENTIFICATION, SUPPRESS RESCLUTIO: ADVISORY, SUPPRESS MSAW ALERT/ CONTLICT RESOLUTION ADVISORY	L	L
A1.2.5.5	SUPPRESS MSAU FUNCTION FOR AN AIRCRAFT	ξ	V/A	N/a	FLIGHT IDENTIFICATION, SUPPRESS ALERT INDICATOR, SUPPRESS MSAW ALERT/ CONFLICT RESOLUTION ADVISORY	Ĺ	L
41.2.5.6	SUPPRESS CONFLICT RESOLUTION ADVISORY FOR PAIRED AIRCRAFY	Ε	N/A	N/A	FLIGHT ID, SUPPRESS RESOLUTION ADVISORY, SUPPRESS CONFLICT ALERT PAIR// CONFLICT RESOLUTION ADVISORY	L.	l
÷1. <b>\$</b> .5.7	RESTORE SPECIFIC ALERT/ RESOLUTION ADVISORY FUNCTION TO NORMAL	ŧ	N/A	N/A	FLIGHT ID, GROUP ID NLMBER, AIRSPACE, ALTITUDE RANGE, FACILITY, RESTORE CA PAIR/CRA, GROUP SUPPRESSION, RESTORE MSAU ALE T/ CRA	L	L
±1.2 5	SUPPRESSING DISPLAY OF CONFLICT? RESTRICTION VIOLATION CHECKS						
an.2 6.1	SUPPRESS FLIGHT PLAN ALRORAFT CONFLICT DETECTION	E	N'A	N/A	FLIGHT ID, ADAPTED AIRSPACE, TIME PERIOU, FLIGHT PLAW CONFLICT DETECTION SUPPRESSION	L	[
±1,2 5.2	RESTORE FLIGHT PLAN ALRORAFT COMFLICT DETECTION	E	N/A	N/A	FLIGHT ID. ADAPTED AIRSPACE. FLIGHT PLAN CONFLICT DETECTION RESTORE	L	
41 2 6 <b>3</b>	SUPPRESS DISPLAY OF FLIGHT PLAN AIRSPACE CONFLICT DETECTION	E	W/A	<b>\</b> /\d	FLIGHT ID, ADAPTED AIRSPACE, TIME PERIOD. AIRSPACE CONFLICT DETECTION SUPPRESSION		
a1.2 €.4	RESTORE DISPLAY OF FUIGHT PLAN AIRSPACE CONFLICT DETFOTION	į	N/A	N/A	FLIGHT ID, ADAPTED AIRSPACE, AIRSPACE CONFLICT DETECTION RESTORE	l	L
41.2 5.5	SUPPRESS FLIGHT PLAN FLOW RESTRICTION VIOLATION DETECTION	E	Λ	N/A	FLIGHT ID, FLOW RESTRICTION VIOLATION DETECTION SUPPRESSION	L	
11 2 5.6	RESTORE FLIGHT PLAN FLOW RESTRICTION VIOLATION DETECTION	E	N/A	N. A	FLIGHT ID, FLOW RESTRICTION VIOLATION DETECTION RESTORE	L	١
#1. <b>3</b>	MANAGE AIR TRAFFIC SEQUENCES						
A1.3.1	RESPONDING TO TRAFFIC MANAGEMENT CONSTRAINIS/ FLOW CONFLICTS						
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DOT/FAA/AP 87 01(VOL#2) 6 July 1987

	į į	Task		Information		1	1
Task Number	Task Statement	Type	Information Received	Source	Information Entered	Freq	Cri
41.3.1.1	EVALUATE TRAFFIC MANAGEMENT CONSTRAINTS FOR EFFECT ON TRAFFIC FLOW	A/R	TRAFFIC MANAGEMENT ADVISORY LIST, METERING ADVISORY LIST ENTRY, METEKING/ IRAFFIC MANAGEMENI ADVISORY	SPECIAL LISTS, METERING ADVISORY LIST, TEXTUAL ATC MAIL, +LIGHT DAIA ENTRY	N/A	н	м
41.3.1.2	CHOOSE OPTION TO BRING AIRCRAFT INTO CONFORMANCE WITH TRAFFIC MANAGEMEN' RESTRICTIONS	R/A	AIRCRAFT POSITION AND MOVEMENT, AIRCRAFT CHARACTERISTICS, TRAFFIC MANAGEMENT ADVISORY LIST, METERING/ TRAFFIC MANAGEMENT ADVISORY	FULL DATA BLOCK, TARGET POSITION SYMBOL, FLIGHT DATA ENTRY. SPECIAL LISTS	N/A	Н	М
41.3.1.3	DISCUSS DISCONTINUANCE OF TRAFFIC MANAGEMENT RESTRICTION/ TRAFFIC REROUTE WITH SUPERVISOR	A/VC	N/A	N/A	N/A	L	
A1.3.1.4	REVIEW OPTIONS TO BRING AIRCPAFT INTO CONFORMANCE WITH TRAFFIC MANAGEMENT RESTRICTIONS	А	N/A	N/A	N/A	L	M
A1.3.1.5	NEGOTIATE TRAFFIC MANAGEMENT ACTION WITH PILOT	VC	N/A	N/A	N/A		
A1.3.1.6	RECEIVE TRAFFIC MANAGEMENT RESTRICTION	R/VC	TRAFFIC MANAGEMENT RESTRICTION	TEXTUAL ATO MA)L	N/A	L	14
41.3.1.7	RECEIVE METERING DATA	R/VC	METERING DATA	TEXTUAL ATC MATE	N/A	М	М
41,3,1,8	RECEIVE SUPERVISOR NOTICE TO HOUD/ REROUTE TRAFFIC CLEAR OF CONTINGENCY	R/VC	HOLD/ REROUTE TRAFFIC	TEXTUAL ATC MAIL	N/A	L	H
41,3,1,9	REQUEST EXCEPTION TO TRAFFIC MINAGEMENT RESTRICTION	E/VC	N/A	N/A	TEXTUAL ATC MAIL		//
A1.3.1.10	REVIEW TRAFFIC CEMANDS AND TRAFFIC MANAGEMENT RESTRICTIONS WITH SUPERVISOR	ERA/√C	TRAFFIC FLOW INFORMATICS	TEXTUAL ATO MAIL, SITUATION DISE, FLIGHT DATA DISE, TRAFFIC MOMI ADVIS LIST, METERING ADVIS LIST	TEXTUAL ATC MAIL	L	
A1,3,1,11	RECEIVE SUPERVISOR BRIEFING ON WHAT TRAFFIC CONDITIONS TO EXPECY	VC/A	N/A	N/A	N/A	L	L
21,3,1, 2	REQUEST TRAFFIC MANAGEMENT ADVISORIES	R/E	TRAFFIC MANAGEMENT ADVISORY LIST	SPECIAL LISTS	DISPLAY SPECIAL LIST	L	١
A1.3 1.13	RECEIME APPROVAL OF REQUEST FOR EXCEPTION TO FLOW RESTRICTION	R, VC	EXCSPIION APPROVAL	TEXTUAL ATC MAIL	N/A		L
A1,5,1,14	RECEIVE DENIAL OF REQUEST FOR EXCEPTION TO FLOW RESTRICTION	R/VC	EXCEPTION DENIAL	TEXTUAL ATC MAIL	N/A	Ĺ	١
A1 3.1.15	DETERMINE VALIDITY OF FLOW RESTRICTION VIOLATION INDICATION	Α	N/A	N/A	N/A		13
41.3.1 16	REQUEST METERING ADVISORY LIST	E/Ř	METERING ADVISORY LIST ENTRY, METERING ADVISORY LIST HEADER	METERING ADVISORY LIST, SPECIAL LISTS	SPECIAL LIST ID, DISPLAY SPECIAL LIST	L	
41.3.2	PROCESSING DEVIATIONS						

DOT/FAA/AP-87-01(VOL#2) 6 July 1987

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Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
A1.3.2.1	PERCEIVE AN ALTITUDE OR ROUTE DEVIATION	R/A	APPARENT ROUTE OF FLIGHT/ ALTITUDE/ CROUND SPIED, INTENDED ROUTE OF FLIGHT/ ALTITUDE/ GROUND SPEED, TARGET POSITION SYMBOL	FULL DATA BLOCK, FLIGHT DATA ENTRY, POSITION SYMBOL	N/A	Ļ	М
41.3.2.2	OBSERVE AIRCRAFT RESUMING NORMAL FLIGHT PLAN	R/A	ROUIE DISPLAY, ASSIGNED ALTITUDE, GROUND SPEED, TARGET POSITION SYMBOL, POSITION HISTORY, GEOGRAPHICAL MAP DATA	FULL DATA BLOCK, TARGET/ TRACK DESCRIPTOR, SITUATION DISPLAY	N/A		м
A1.3.2.3	DETERMINE MANEUVER TO ESTABLISH/ RESTORE FLIGHT PLAN CONFORMANCE	А	N/A	N/A	N/A	Ļ	М
A1.3.2.4	RECEIVE CONTROLLER NOTICE OF AIRCRAFT FLIGHT PLAN DEVIATION	R/VC	FLIGHT PLAN DEVIATION	TEXTUAL ATC MAIL	N/A	L	М
A1.3.2.5	INFORM CONTROLLER/ SUPERVISOR OF ALRORAFT FLIGHT PLAN DEVIATION	E/VC	N/A	N/A	TEXTUAL ATC MAIL		м
A1.3.2.6	DETECT LATERAL/ ALTITUDE NONCONFORMANCE INDICATION	R	LATERAL NONCONFORMANCE INGLEATOR, ALTITUDE NONCONFORMANCE INDLEATOR	FULL DATA BLOCK	N.'A	L	н
A1.3.2.7	REQUEST RECONFORMANCE AID	E/R	TRIAL PLAN READOUT	TRIAL PLAN READOUT AREA, FLIGHT DATA JISPLAY	FLIGHT ID, LATERAL MANEUVER TYPE, RECONFORMANCE AID	L	L
A1.3.2.8	EVALUATE TRIAL PLAN GENERATED BY RECONFORMANCE AID FOR APPROPRIATE ALTITUDE/ ROUTE	R/A	TRIAL PLAN INFORMATION, TRIAL PLAN READOUT	FEIGHT DATA READOUT AREA	N/A	Ĺ	
A1.3.2.9	REQUEST DISPLAY OF FDE FOR FLIGHT PLAN	ξ .	FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY	FLIGHT ID, SECTOR NUMBER/ FACILITY, POSTING LIST HEADER, REQUEST FDES	L.	M
A1.3.2.10	EVALUATE FLIGHT DATA TO DETERMINE FUTURE COURSE OF ACTION	R/A	FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY	N/A	В	М
A1.3.2.11	EVALUATE LATERAL NONCONFORMANCE INDICATION FOR ACTION NEEDED	R/A	GEOGRAPHIC MAP DATA, LATERAL MONCONFURMANCE INDICATOR	FULL DATA BLOCK, SITUATION DISPLAY	N/A	L	н
A1.3.2.12	EVALUATE ALTITUDE NONCONFORMANCE INDICATION FOR ACTION NEEDED	R/A	GEOGRAPHIC MAP DATA, ALTITUDE NONCONFURMANCE INDICATOR	FULL DATA BLOCK, STRUATION DISPLAY	N/Λ	i.	н
A1.3.2.13	EVALUATE UNREASONABLE MODE C INDICATOR FOR ACTION NEEDED	A	N/A	N/A	N/A	L	М
A1.3.2.14	CINDICATION	3	MODE C UNREASONABLENESS INDICATOR	FULL DATA BLOCK, STIVATION DISPLAY	N/A	ι	м
A1.3.3	RESPONDING TO SPECIAL USE AIRSPACE EVENTS						
A1.3.3.1	INFORM CONTROLLER/ SUPERVISOR/ PILOT OF AIRSPACE RESTRICTION IMPOSED/ RELEASE	E/VC	N/A	ħ/A	TEXTUAL ATC MAIL	L	м
A1.5.5.2	ENTER AIRSPACE RESTRICTION STATUS CHANGE	£	N/A	N/A	UATA CATECORY, TEXT, SYSTEM STATUS DATA CHANGE	L	М



Tosk Number	Task Statement	Task Type	Information Received	Information Scurce	Information Entered	Freq	Crit
A1.3.3.3	RECEIVE REQUEST FOR USE OF SPECIAL USE AIRSPACE FROM SUPERVISOR/ CONTROLLER/ PILOT	R/VC	SPECIAL USE AIRSPACE REQUEST	TEXTUAL ATC MAIL	N/A	L	M
A1.3.3.4	DETERMINE RESTRICTIONS TO USERS NECESSARY WITHIN RELEASED ATRSPACE	A	N/A	N/A	N/A	Ĺ	l.
A1. <b>3.3.</b> 5	OBSERVE DISPLAY OF AIRSPACE RESTRICTION STATUS CHANGE	R	GEOGRAPHIC MAP DATA, SPECIAL USE AIRSPACE STATUS	SITUATION DISPLAY, SYSTEM STATUS DATA DISPLAY	N/A	L	M
A1.3.3.6	RECEIVE NOTICE OF AIRSPACE RESTRICTION/ RELEASE	R/VC	SPECIAL USE AIRSPACE RESTRICTION/ RELEASE	TEXTUAL ATC MAIL	N/A	L	м
41.3.4	ESTABLISHING ARRIVAL SEQUENCES						
A1,3,4,1	DETERMINE DESCENT TIME OR POINT	R/A	TRACK POSITION SYMBO'., METERING ADVISORY LIST, TRAFFIC MANAGEMENT ADVISORY LIST, GEOGRAPHIC MAP DATA	SITUATION DISPLAY, SPECIAL LISTS, TRAFFIC MANAGEMENT INFORMATION	N/A	н	M
A1.3.4.2	PROJECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY APPROACH FLOW TO AIRPURT OR SECTUR	А	N/A	N/A	N/A	н	н
41.3.4.3	OBSERVE METERING ADVISORY LIST FOR METERING REQUIREMENTS	R/A	METERING ADVISORY LIST ENTRY	METERING ADVISORY	N/A	м	M
A1.3.4.4	REQUEST AIRCRAFT BE REROUTED	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	M
A1.3.4.5	PROJECT MENTALLY THE RANGE/ BEARING BETWEEN AIRCRAFT	R/A	TARGET POSITION SYMBOL, FULL DATA BLOCK	SITUATION DISPLAY	N/A	н	н
A1.3.4.6	FROJECT MENTALLY THE ARRIVAL FLOW FOR AIRCRAFT LANDING IN OR NEAR THIS SECTOR	A	N/4	N/A	N/A	н	Н
A1.3.4.7	ISSUE NEW ATIS CODE	vc	N/A	N/A	N/A	м	м
A1.3.4.8	INFORM PILOT TO OBTAIN NEW ATIS INFORMATION	vc	N/A	N/A	N/A	L	L
A1.3.4.9	ISSUL NEW ATTS INFORMATION	VC	N/A	N/A	N/A	М	L
A1.3.5	MANAGING DEPARTURE FLOWS	-				1	
A1.3.5.1	VALIDATE MODE C ALTITUDE	R/A	MODE C ALTITUDE	FULL DATA BLOCK	N/A	н	н
A1.3.5.2	ENTER REPORTED ALTITUDE	С	N/A	N/A	FLIGHT 10, ALTITUDE, INDICATOR DENOTING REPORT REACHING/ LEAVING, INDICATOR DENOTING ALTITUDE OTHER THAN ASSIGNED, REPORTED ALTITUDE	м	м
A1.3.5.3	RECEIVE NOTICE OF MISSEU APPROACH	R/VC	FULL DATA BLOCK	SITUATION DISPLAY	N/A	L	Ε
A1.3.5.4	PROJECT TRAFFIC SEQUENCE TO CSTABLISH/ MODIFY DEPARTURE FLOW	А	N/A	N/A	N/A	L	H
A1.3.6	MONITORING NON-CONTROLLED OBJECTS						

DOT/FAA/AP-87-01(VOL#2) CHG 1 29 July 1988

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	Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
	41.3.6.1	OBSERVE AIRSPACE INTRUSION BY A NON-CONTROLLED COJECT	R	TARGET POSITION SYMBOL, SECTOR BOUNDARY, PRIMARY TARGET CLASS	SITUATION DISPLAY	N/A	L	М
ı	A1.3.6.2	ENTER CONTROLLER NOTE	E	N/A	N/A	ENTER CONTROLLER NOTE	L	L
	A1.3.6.3	FEIGHT-FOLLOW AN OBSERVED NON-CONTROLLED OBJECT	E/R/A	TARGET POSITION SYMBOL	SITUATION DISPLAY	FLIGHT ID, TRACK ACTION (START) TRACK START POSITION, HEADING, SPEED, TRACK	L	М
	A1.3.6 4	FORWARD NOTICE OF AIRSPACE INTRUSION BY A NON-CONTROLLED OBJECT	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	L
	11.3.6.5	RECEIVE NOTICE OF AIRSPACE INTRUSION BY A NON-CONTROLLED OPJECT	R/VC	INTRUSION	TEXTUAL ATC MAIL	N/A	L	L
	A1.5 7	RESPONDING TO TEMPORARY PELEASE OF AIRSPACE REQUESTS						
	A1.3.7.1	RECEIVE CONTROLLER/ SUPERVISOR REQUEST FOR TEMPORARY USE OF AIRSPACE	R/VC	REQUEST FOR TEMPORARY USE OF AIRSPACE	TEXTUAL ATC MAIL	N/A	t.	М
	A1.3.7.2	FORWARD APPROVAL FOR TEMPORARY USE OF AIRSPACE	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	М
	A1.3.7.3	FORWARD DENIAL CF TEMPORARY USE OF AIRSPACE	EZVO	N/A	N/A	YEXTUAL ATC MAIL	L	М
	A1.5.7.4	SUPPRESS MAP ASSOCIATED WITH FEMPORARY USE OF AIRSPACE	Ł	N/A	N/A	INHIHIT CATEGORY OF GEOGRAPHICAL MAP DATA	L	Ĺ
	A1.3.7.5	DISCUSS RELEASE OF AIRSPACE FOR TEMPORARY USE WITH SUPERVISOR/ UTHER CONTROLLER	A/VC	N//.	N/A	N/A	L	L
	A1.3.7.6	SELECT MAP CISPLAY OF ADAPIED AIRSPACE REQUESTED FOR USE BY ANOTHER CONTROLLER	ε	N/A	N/A	SELECT CATEGORY OF GEOGRAPHIC MAP DATA	L	١
	A1.3.7 7	EVALUATE FEASIBILITY OF RELEASING AIRSPACE TEMPORARILY	R/A	FULL DATA BLOCK, FLIGHT DATA ENTRY	SITUATION DISPLAY, FLIGHT DATA DISPLAY	N/A	L	L
	11.3.7.8	RECEIVE NOTIFICATION OF RETURN OF PELEASED AIRSPACE	R/VC	RELEASED AIRSPACE NOTICIDATION	ATC MAIL	N/A	L	M
	A1.3.8	REQUESTING TEMPORARY RELEASE OF ATRISPACE						
	A1.3.8.1	RECHEST TEMPORARY USE OF ATRIMACE	£/40	N/A	N/A	TEXTUAL ATC MAIL	L	м
	A1.3.3.2	RECEIVE RELEASE/ USE OF AIRSPACE	R/VC	RELEASEZ USE OF AIRSMACE	TEXTUAL ATC MAIL	N/A	L	L
	A1.3.8.3	RECEIVE SECFLON OF USE OF AIRSPACE	R/VC	REJECTION OF USE OF AIRSPACE	TEXTUAL ATC MAIL	N/A	L	М
1	A1.5.8.4	FORWARD NOTICE OF RETURN OF RELEASED ATREPACE	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	M
	A1.4	ROUTE OR PLAN FLIGHTS			i 			
	A1.4.1	PLANNING CLEARANCES						
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DOT/FAA/AP-87-01(VOL#2) CHG 1 29 July 1988

ask Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
ask Number	Task Statement	туре	THIS MOUTON RECEIVED	3001 00		1	
11.4,1,1	RECEIVE CONTROLLER NOTICE ON REQUESTED CLEARANCE OF AIRCRAFT LEAVING HIS SECTOR	R/VC	REQUESTED CLEARANCE	TEXTUAL ATC MAIL	N/A	M	M
11.4.1.2	RECEIVE CLEARANCE REQUEST FROM ATCT/ FSS/ PILOT/ SUPERVISOR	R/VC	CLEARANCE REQUEST	TEXTUAL ATC MAIL	N/A	H	М
11.4.1.3	RECEIVE CONTROLLER REQUEST FOR CLEARANCE/ APPROVAL	R/VC	CLEARANCE/ APPROVAL. REQUEST	TEXTUAL ATC MAIL	N/A	н	м
41.4.1.4	FORWARD CLEARANCE REQUEST TO ANOTHER CONTROLLER	E/VC	N/A	N/A	TEXTUAL ATC MAIL	Н	М
41.4.1.5	REQUEST CLEARANCE/ APPROVAL FROM ANOTHER CONTROLLER	E/VC	N/A	N/A	TEXTUAL ATC MAIL	н	М
A1.4.1.5	RECEIVE CLEARANCE APPROVAL/ CLEARANCE RESTRICTIONS FROM ANOTHER CONTROLLER	R/VC	CLEARANCE APPROVAL/ RESTRICTIONS	TEXTUAL ATC MAIL	N/A	н	н
A1.4.1.7	RECEIVE CLEARANCE DISAPPROVAL/ DENIAL FROM ANOTHER CONTROLLER	R/VC	CLEARANCE DISAPPROVAL/ DENIAL	TEXTUAL ATC MAIL	N/A	н	М
A1.4.1.8	RECEIVE ALTERNATE SUGGESTION FOR CLEARANCE/ APPROVAL REQUESTED OF ANOTHER CONTROLLER	R/VC	ALTERNATE SUGGESTION FOR CLEARANCE	1EXTUAL ATC MAIL	N/A		M
41.4 1.9	RECEIVE COMPUTER-GENERATED REMINDER NOTICE ON CLEARANCE	R	AIRCRAFT CALLSIUN. CONTROLLER REMINDER TYPE, MESSAGE	CONTROLLER KEMINDER LIST	N/A	м	L
A1.4.1.38	REVIEW POTENTIAL IMPEDIMENTS FOR IMPACT ON PROPOSED CLEARANCE	R/A	TARGET POSITION SYMBOL, OBSTRUCTION, SPEC USE AIRSPACE ENDRY, RWP WEATHER PRODUCT FDE, TRAFFIC MGMT ADVIS. LIST, METERING ADVISORY,	SITUATION DISPLAY, FLIGHT DATA DISPLAY, WEATHER DISPLAY, SPECIAL LISTS	N/is	н	in
A1.4.1.11	DETERMINE APPROPRIATE MENTAL OR AUTOMATED FLAN FOR AIRCRAFT CLEARANCE	А	N/A	N/A	N/A	н	н
A1.4.1.12	DISCUSS CLEARANCE ALIERNATIVES WITH PILOT	vc	N/A	N/A	N/A	L	M
A1.4.1.13	EVALUATE FDE CHANGES FOR CLEARANCE PLANNING OR FUTURE ACTIONS	k//.	FLIGHT CATA ENTRY	(1.1990 DATA D1580AV	N/r.	L	м
å., a. l. 14	DETERMINE PRIDRITY DE CONTROL ACTIONS		N/S	.4\4:	N/A	Н	Н
A · 4 · 1.15	PERCOTAL NEVO YOR /MENDED CLEARANCE	R/A	CLIGHT DATA FLIRY, TARGET POSITION STMESS.	FLIGHT DATA DISPLAY, SITUATION DISPLAY	N/A	н	,
11,4,1,16	FIGRALIATE CONTROLLER PEAN OF ACTION FOR CLEARANCE GENERATION	Δ	N/A	N/ 4	N/A	н	}
Ai 4,1 17	EVALUATE MENTAL FL.CUT PLAN PROJECTION FOR APPROPRIATENESS	A	1973	N/A	N/A	м	
A1,4,1,19	PAR UPTE MOUNT STANDAYS PROTESTED AND THOSES PROTESTED AND THOSES PROTESTED AND THOSES	A	g (h	N/A	N/A	L	1
11,4.2	RESPONDING TO CONTINUENCIES		,				

DOT/FAA/AP-87 01(VOL#2) 6 July 1987

_	Task Information Requirements									
	Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit		
	A1.4.2.1	DECLARE EMERGENCY AND INVOKE CONTINGENCY PLAN	ERA/VC	N/A	N/A	TEXTUAL ATC MAIL	L	E		
	A1.4.2.2	RECEIVE NOTICE OF PILOT OR AIRCRAFT HAVING A PROBLEM (E.G., OVERDUE, LOSS OF RADIO CONTACT)	R/VC	PILOY OR AIRCRAFT PROBLEM	TEXTUAL ATC MAIL	N/A	L	E		
	A1.4.2.3	ISSUE INSTRUCTIONS TO PILOT (MORDO) FOR IDENTIFICATION TURN,' TRANSPONDER RESPONSE	vc	N/A	N/A	N/A	l.	н		
	41.4.2.4	DETECT A PILOT OR AIRCRAFT FROMEM (E.G., HYPOXIA, EXCEPTION BEACON CODE)	R/A/VC	PILGT OR AIRCRAFT PROBLEM, EXCEPTION BEACON CODE, LATERAL/ ALTITUDE NONCONFORMANCE INDICATOR	OBSERVATION OF ERRATIC PILOT BEHAVIOR, FULL DATA BLOCK	N/A	į.	H		
	A1.4.2.5	FORMARD CONTINGENCY INFORMATION TO SUPERVISOR/ ANOTHER CONTROLLER	E/VC	N/A	N/A	TEXTUAL ATC MAIL. FLIGHT DATA AMENDMENT	L	Н		
	A1.6.2.S	INFORM DESIGNATED PERSONNEL OF AIRCRAFT HAVING FLIGHT PROBLEMS	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	н		
	£1.4.2.7	REQUEST RELAY OF INSTRUCTIONS TO PILOT (NORDO) FOR IDENTIFICATION TURN/ TRANSPONUER RESPONSE	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	М		
	A1.4.2.8	CONDUCT SEARCH FOR AIRCRAFT WITHOUT RADIO CONTACT	E/A/VC	N/A	N/A	TEXTUAL ATC MAIL	L	н		
	A1.4.2.9	OBSERVE AIRCRAFT TURN/ TRANSPONDER RESPONSE FULLOWING IDENTIFICATION REQUEST	A/R	TARGET POSITION SYMBOL, BEACON CODE	SITUATION DISPLAY	N/A		н		
	A1.4.2.10	CONDUCT RADIO/ RADAR SEARCH FOR OVERDUE AIRCRAFT	R/A/VC	BEACON CODE, DATA BLOCK, TARGET POSITION SYMBOL	SITUATION DISPLAY	N/A	L	Н		
	A1.4.2.11	RFCEIVE SUPERVISOR NOTICE OF EMERGENCY DECLARED AND CONTINGENCY PLAN INVOKED	R/VC	EMERGENCY, CONTINGENCY PLAN	TEXTUAL ATC MAIL	N/A	L	E		
	41.4.2.12	RECEIVE SUPERVISOR NOTICE OF EMERGENCY DELCARED AND CONTINGENCY PLAN INVOKED	R/VC	NOTICE TO CONQUCT SEARCH	TEXTUAL ATC MAIL	N/A		Н		
	A1.4.2.13	RECEIVE NOTICE THAT SUPERVISOR WILL CONDUCT COMMUNICATIONS SEARCH FOR OVERDUE/ NORDU AIRCRAFT	P/VC	SUPERVISOR SEARCH FOR AIRCRAFT	TEXTUAL ATC MAIL	N/A	L	M		
	A1.4.2.14	RECEIVE PILOT NOTICE OF EMERGENCY DECLARED	R/VC	EXCEPTION BEACON CCDE	FULL DATA BLOCK	N/A	1	E		
	A1.4.3	RECOGNIZING SPECIAL OPERATIONS								
	A1.4.3.1	PERCEIVE PRESENCE OF SPECIAL OPERATION	R/A	CALLSIGN, ROUTE OF FLIGHT, PRESENCE OF DATA BLOCK IN SPECIAL USE AIRSPACE, SPECIAL HANDLING REMARKS IN FLIGHT DATA ENTRY	SITUATION DISPLAY, FLIGHT DATA DISPLAY	N/A	L	н		
1	A1.4.3.2	NECETVE REVIEW/ NOTICE OF SPECIAL OPERATION	R/VC	SPECIAL OPERATION INFORMATION	TEXTUAL ATC MAIL	N/A	L	m		

A1.4.4.1 OBS POS ANC SUP ANC SUP ANC SUP A1.4.4.1 OBS POS A1.4.4.2 REV COM A1.4.4.3 ENI A1.4.4.5 REV ER SEC A1.4.4.6 REC PLI A1.4.4.7 REC A1.4.4.9 QUI A1.4.4.9 QUI A1.4.4.10 FO VE A1.4.4.11 EN A1.4.4.12 EN A1.4.4.15 RE	RMARD NOTICE OF SECIAL OPERATIONS TO OTHER CONTROLLER/ PERVISOR VIEWING FLIGHT PLANS SERVE NEW FLIGHT PLAN STING VIEW FLIGHT PLAN FOR MPLETENESS HER FLIGHT PLAN KNOWLEDGE NEW FLIGHT AN RECEIPT VIEW FLIGHT PLAN FOR RORS/ DATA LIST QUENCE CELVE FLIGHT PLAN FROM LOT	E/VC  R  R/A  E  E	N/A  FLIGHT DATA ENTRY  FLIGHT DATA ENTRY  N/A	N/A  FLIGHT DATA DISPLAY  FLICHT DATA DISPLAY  N/A	TEXTUAL ATC MAIL  N/A  N/A  CALLSIGN, PLAN DATA,	t н н	M M
A1.4.4.1 OBS POS POS POS POS POS POS POS POS POS PO	SERVE NEW FLIGHT PLAN STING  VIEW FLIGHT PLAN FOR MPLETENESS  HER FLIGHT PLAN  KNOWLEDGE NEW FLIGHT AN RECEIPT  VIEW FLIGHT PLAN FOR HRORS/ DATA LIST IQUENCE  CEIVE FLIGHT PLAN FROM	R/A E E	FLICHT DATA ENTRY	DISPLAY FLICHT DATA DISPLAY	N/A		
A1.4.4.2 REV A1.4.4.3 ENI A1.4.4.4 ACPLA A1.4.4.5 REV A1.4.4.6 REG A1.4.4.6 REG PII A1.4.4.7 REG A1.4.4.9 QU A1.4.4.9 QU A1.4.4.10 FO VE A1.4.4.11 EN A1.4.4.12 EN A1.4.4.13 RE	STING  VIEW FLIGHT PLAN FOR MPLETENESS  DER FLIGHT PLAN  KNOWLEDGE NEW FLIGHT AN RECEIPT  VIEW FLIGHT PLAN FOR RORS/ DATA LIST QUENCE  CEIVE FLIGHT PLAN FROM	R/A E E	FLICHT DATA ENTRY	DISPLAY FLICHT DATA DISPLAY	N/A		
A1.4.4.3 ENI A1.4.4.4 ACP PLA A1.4.4.5 REN ERR SEC A1.4.4.6 REC PII A1.4.4.7 REL A1.4.4.9 QU FL A1.4.4.10 FO VE A1.4.4.11 EN A1.4.4.12 EN A1.4.4.15 RE	MPLETENESS  ITER FLIGHT PLAN  KNOWLEDGE NEW FLIGHT AN RECCIPT  VIEW FLIGHT PLAN FOR  RORS/ DATA LIST  QUENCE  CEIVE FLIGHT PLAN FROM	E	N/A	DISPLAY		н	м
A1.4.4.4 ACP PLA A1.4.4.5 RESERVENCE A1.4.4.6 REGPII A1.4.4.7 REFERVENCE A1.4.4.9 QUI FL A1.4.4.10 FO VE A1.4.4.11 EN A1.4.4.12 EN A1.4.4.15 RE	KNOWLEDGE NEW FLIGHT AN RECCIPT VIEW FLIGHT PLAN FOR RORS/ DATA LIST QUENCE CEIVE FLIGHT PLAN FROM	E		N/A	CALISTON PLAN DATA		
A1.4.4.5 REYESEO  A1.4.4.6 REGENERSEO  A1.4.4.7 REFORM  A1.4.4.8 QUENT  A1.4.4.9 QUENT  A1.4.4.10 FO  VE  A1.4.4.11 EN  A1.4.4.12 EN  A1.4.4.15 RE	AN RECEIPT  VIEW FLIGHT PLAN FOR  RORS/ DATA LIST  QUENCE  CEIVE FLIGHT PLAN FROM		N/A	1	FLIGHT PLAN	Ĺ	l.
A1.4.4.6 REGENTAL A1.4.4.9 PL. A1.4.4.10 FO VE A1.4.4.11 EN A1.4.4.12 EN A1.4.4.15 RE	RORS/ DATA LIST QUENCE CEIVE FLIGHT PLAN FROM	R/A		N/A	ACKNOWLEDGE FOE POSTING	н	L
A1.4.4.7 REI VEI A1.4.4.9 QUI FL A1.4.4.10 FO VE A1.4.4.11 EN A1.4.4.12 EN A1.4.4.15 RE			FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY	N/A	н	м
A1.4.4.9 QU FL A1.4.4.10 FO VE A1.4.4.11 EN A1.4.4.12 EN A1.4.4.15 RE		VC	N/A	N/A	N/A	L	L
A1.4.4.9 QU FL A1.4.4.10 FO VE A1.4.4.11 EN A1.4.4.12 EN A1.4.4.15 RE	CEIVE FLIGHT PLAN RBALLY FORWARDED	vc	N/A	N/A	N/A	L	L
A1.4.4.10 FO VE A1.4.4.11 EN A1.4.4.12 EN A1.4.4.13 RE	PERY PILOT ABOUT FLIGHY AN	vc	N/A	N/A	N/A	Ĺ	М
A1.4.4.11 EN A1.4.4.12 EN A1.4.4.13 RE	JERY THE RELAYER OF A LIGHT PLAN	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	m
A1.4.4.12 EN	DRWARD FLIGHT PLAN ERBALLY	vc	N/A	N/A	N/A	L.	M
A1.4.4.1 <b>3</b> RE	NTER STEREO FLIGHT PLAN	Ë	N/A	N/A	CALLSIÓN, PLAN DATA. STEREO FLIGHT FLAN	<u> </u>	l.
	NTER VER FLIGHT PLAN	E	N/A	N/A	CALLSIGN, PLAN DATA, VFR FLIGHT PLAN	L	L
	EQUEST FLIGHT PLAN EADOUT	£	FLIGHT PLAN READOUT	SYSTEM QUERY RESPONSE, RESPONSE DISPLAY	DATA DESCRIPTION. QUERY DATA BASE FOR SELECTED READOUT	L	L
	NTER SCRATCH PAD DATA N FULL DATA BLOCK	ξ	N/A	N/A	FLIGHT ID, DATA, ENTER SCRATCH PAD DATA	М	м
	ROCESSING FLIGHT PLAN MENDMENTS						
	ECEIVE FLIGHT DATA EVISIUN	R	FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY	N/A	н	н
EN	MPHASIZE FLIGHT DATA NTRY POSTING FOR EMINDER ACTION	E	N/A	N/A	FLICHT ID, FIELD TO BE EMPHASIZED, EMPHASIZED DATA (ENTER), FDE AND DATA FIELD EMPHASIS	н	M
	NIER FLIGHT PLAN MENDMENT	E	N/A	N/A	FLIGHT ID, FIELD TO BE MODIFIED, NEW DATA, FLIGHT DATA AMENDMENT	н	н
	NTER PILOI'S POSITION EPORT IN SYSTEM	Ε	N/A	N/A	FLIGHT ID, FIX, ACTUAL TIME AT FIX, PILOT ESTIMATE AT FIX, NEXT FIX, PILOT ESTIMATE AT NEXT FIX, ALTITUDE, PROGRESS REPORT	L	M
	ELETE FLIGHT DATA ENTRY MPHASIS	E	N/A	N/A	FLIGHT ID, FIELD TO BE DEEMPHASIZED, EMPHASIZED DATA (DELETE), FDE AND DATA FIELD EMPHASIS	H	L

DOT/FAA/AP-87-01(VOL#2) 6 July 1987

Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
A1.4.5.6	RECEIVE FLIGHT PLAN AMENDMENT VERBALLY FORWARDED	vc	N/A	N/A	N/A	L	М
A1.4.5.7	RECEIVE PILOT'S POSITION REPORT	vc	N/A	N/A	N/A	L	н
41.4.5.8	FORWARD FLIGHT PLAN AMENDMENT VERBALLY	VC	N/A	N/A	N/A	L	M
A1.4.5.9	INFORM CONTROLLER UNABLE FLIGHT PLAN AMENDMENT	E/VC	N/A	N/A	TEXTUAL ATC MAIL	١.	M
A1.4.5.10	RECEIVE CONTROLLER ADVICE OF UNABLE FLIGHT PLAN AMENDMENT	R/VC	UNABLE FLIGHT PLAN AMENDMENT	TEXTUAL ATC MAIL	N/A	L	Н
A1.4.5.11	RECEIVE REQUESTED FLIGHT PLAN CHANGES	R/VC	REQUESTED FLIGHT PLAN CHANGE	TEXTUAL ATC MAIL	N/A	L	М
11.4.5.12	ENTER REROUTING INTO A FLIGHT PLAN	Ε	N/A	N/A	REROUTE, FLIGHT ID, IMPLEMENT REROUTE	L	L
A1.4.6	RECEIVING TRANSFER OF CONTROL/ RADAR IDENTIFICATION						
A1.4.6.1	RECEIVE HANDOFF REQUEST	R/VC	HANDUFF STATUS/ INDICATOR	FULL DATA BLOCK	N/A	L	н
41.4.6.2	DENY HANDOFF	E/VC	N/A	N/A	FLIGHT ID. REJECT INDICATOR, REJECT HANDOFF	L	н
41.4.6.3	ACCEPT VERBAL HANDOFF INITIATE MANUAL TRACK START	E/R/VC	TARGET POSITION SYMBOL	SITUATION DISPLAY	FLIGHT ID, TRACK ACTION (START), TRACK START POSITION, HEADING, SPEED, ASSIGNED ALITIQUE, IRACK	L	н
A1.4.6.4	ACCEPT AUTOMATIC HANDOFF	E	N/A	N/A	FLIGHT ID, ACCEPT HANDOFF	н	н
A1.4.6.5	DETERMINE THAT AIRCRAFT IS ENTERING SECTOR	A	N/A	N/A	N/A	н	н
A1.4.6.6	DETERMINE RESPONSE TO HANDOFF REQUEST	R/A	FULL DATA BLOCK, GEOGRAPHIC MAP DATA, TARGET POSITION SYMBOL	SITUATION DISPLAY	N/A	н	н
A1.4.6.7	RECEIVE CONTROL OF AIRCRAFT	R/VC	CONTROL OF AIRCRAFT	TEXTUAL ATC MAIL	N/A	l.	н
A1 4.5.8	REQUEST TRANSFER OF CONTROL	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	н
A1.4.7	INITIATING TRANSFER OF CONTROL/ RADAR IDENTIFICATION				1		
A1.4.7.1	INITIATE HANDOFF FUNCTION	E	N/A	N/A	FLIGHT ID, SECTOR/ FACILITY, INITIATE HANDOFF	L	H
A1.4.7.2	DESERVE AUTOMATIC INITIATION OF HANDOFF	R/A	HANDOFF STATUS/ INDICATOR	FULL DATA BLOCK	N/A	н	þ
41,4,7,3	RETRACT HANDOFF	E/VC	N/A	N/A	FLIGHT ID, RETRACT HANDOFF	ι	н
n1.4.7.4	RECEIVE HANDOFF ACCEPTANCE	R/VC	HANDOFF STATUS/ INDICATOR, ACCEPTED	FULL DATA BLOCK	N/A	н	н
A1.4.7.5	DISCUSS TRANSFER OF CONTROL WITH OTHER CONTROLLER	vc	N/A	N/A	N/A	L	н
A1.4.7.6	INITIATE VERBAL HANDOFF	vc	N/A	N/A	N/A		н

Task Information Requirements									
Task Number	Tusk Stotement	Task Type	Information Received	Information Source	Information Entered	Freq	Cr <sub>1</sub> t		
A1.4,7.7	RECEIVE REQUEST FOR TRANSFER OF CONTROL	R/VC	REQUEST FOR TRANSFER OF CONTROL	TEXTUAL ATC MAIL	N/A	L	Н		
A1.4 7.8	DETERMINE THAI AIRCRAFT IS LEAVING SECTOR	R/A	GEOGRAPHIC MAP DATA, BACKGROUND DESCRIPTOR, TARGET POSTION SYMBOL, CONTROLLER CHART, SECTIONAL AERGNAUTICAL CHART, FLIGHT DATA ENTRY, TIME	SITUATION DISPLAY, STATIC INFORMATION DISPLAY, FLIGHT DATA DISPLAY	N/A	н	ĸ		
41.4.7.9	DETECT MANUAL HANDOFF MODE INDICATION	R	HANDOFF ALERT INDICATION, AUTO HANDOFF INHIBITED	FULL DATA BLOCK	N/A	L	М		
41,4,7,10	REQUEST TRANSFER OF FLIGHT PLAN DATA TO ANOTHER FACILITY	E	N/A	N/A	FLIGHT ID, FACILITY, TRANSFER FLIGHT PLAN	i	M		
A1.4 7.11	INFORM CONTROLLER OF ANY CONDITIONS AFFECTING TRANSFER OF CONTROL	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	   H		
31.4.7.12	INFORM CONTROLLER OF RELINQUISHED CONTROL OF AIRCRAFT	E/VC	N/A	N/A	TEXTUAL ATC MAIL	М	н		
41.4.7.13	DETECT HANDOFF ALERT INDICATION	R	HANDOFF ALERI INDICATION, HANDOFF NOT ACCEPTED	FULL DATA BLOCK	N/A	L	н		
A1.4.7.14	REDIRECT HANDOFF	E	N/A	N/A	FLIGHT ID, SECTOR/ FACILITY, REDIRECT HANDOFF	Ļ	ч		
41.4.7.15	RECEIVE HANDOFF REJECTION	R/VC	HANDOFF STATUS/ ÍNDICATUR	FULL DATA BLOCK	N/A	L	F		
A1.4.8	ISSUING POINTOUTS								
A1,4,8,1	INITIATE POINTOUT	E/VC	N/A	N/A	FLIGHT ID. SECTOR/ FACILITY, INITIATE POINTOUT	L	н		
A1.4.8 2	OJIAMOTUA SYSSESS TUDINIOG FO MOITAITINI TUDINIOS SHITOMA CI	R	POINTOUT INDICATOR	FULL DATA BLOCK	N/A	М	Н		
A1.4.8.3	FORCE FLIGHT DATA ENTRY TO ANOTHER CONTROLLER	ξ	N/A	N/A	FLIGHT ID, SECTOR POSTING NUMBER, SECTOR NUMBER, FDE POINIGUT	L	м		
A1.4.8.4	RECEIVE ACCEPTANCE OF POINTOUT	R, VC	POINTOUT INDICATOR, ACCEPT	FULL DATA BLOCK	N/A	М	н		
A1.4.8.5	RECEIVE REJECTION OF POINTOUT	R/VC	POINTOUT INDICATOR, REJECT	FULL DATA BLOCK	N/A	L	Н		
41.4.8.6	DETECT INDICATION OF NO ACTION ON POINTOUT	R	POINTOUT INDICATOR, NO ACCEPTANCE ACTION	FULL DATA BLOCK	N/A	L	н		
41.4 8.7	DISCUSS POINTOUT WITH OTHER CONTROLLER	vc	N/A	N/A	N/A	М	н		
41,4,9	RESPONDING TO POINTOUTS								
41,4.9.1	RECEIVE POINTOUT	R,/VC	POINTOUT INDICATOR, INITIATING SECTOR/ POSITION ID	FULL DATA BLOCK	N/A	M	н		
41.4.9.2	ACCEPT POINTOUT	E/VC	N/A	N/A	FLIGHT ID, POINTOUT ACCEPT	M			
A1,4,9,3	DENY POINTOUT	E/VC	N/A	N/A	FLIGHT ID, REJECT INDICATOR, REJECT POINTOUT	L	H		
A1,4,9,4	SUPPRESS FULL DATA BLOCK AFTER POINTOUT	ε	N/A	N/A	FLIGHT ID. FORCE DATA BLOCK (REMOVE)	L	'		

DOT/FAA/AP-87-01(VOL#2) CHG 1 29 July 1988

Tosk Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
A1.4.9.5	DETERMINE RESPONSE TO POINTOUT	R/A	DATA BLOCK, FLIGHT DATA ENTRY, GEOGRAPHIC MAP DATA	SIRUATION DISPLAY, FLIGHT DATA DISPLAY	N/A	М	н
A1.4.16	ISSUING CLEARANCES						1
A1.4.1Ø.1	SELECT TRIAL PLAN FOR IMPLEMENTATION	E	N/A	N/A	TRIAL PLAN ID. IMPLEMENT TRIAL PLAN	L	L
A1.4.10.2	APPROVE CLEARANCE REQUEST	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	н
A1.4.10.3	SUGGEST CLEARANCE ALTERNATIVES TO PILOT	vc	N/A	N/A	N/A	М	М
A1.4.10.4	FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS	A	N/A	N/A	N/A	Н	н
41.4.10.5	ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT	VC.	N/A	N/A	N/A	н	н
A1.4.10.6	ISSUE CLEARANCE THROUGH ATCT/ FSS FOR RELAY TO PILOT	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	н
A1.4.10.7	VERIFY AIRCRAFT CCMPLIANCE WITH CLEARANCE	R/A	TARGET POSITION SYMBOL, FULL DATA BLOCK, PUSITION HISTORY	SITUATION DISPLAY	N/A	н	н
A1.4.10.8	QUERY PILOT REGARDING CONFORMANCE WITH CLEARANCE	vc	N/A	N/A	N/A	L	Н
A1.4,10.9	DENY CLEARANCE REQUEST	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	М
A1,4,10,10	SUGGEST ALTERNATIVE TO CLEARANCE REQUEST FROM CONTROLLER	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	M
A1.4.10.11	RECEIVE TMU GENERATED ABSORPTION MANEUVER	R	METERING ADVISORY LIST ENTRY	METERING ADVISORY	N/A	L	L
A1.4.10.12	ENTER ABSORPTION MANEUVER IMPLEMENTATION	E	N/A	N/A	FLIGHT ID, IMPLEMENT ABSORPTION MANEUVER	L	L
A1,4,11	PROCESSING TRIAL PLANS	]					
A1,4,11,1	DETERMINE NEED FOR TRIAL PLAN	A	N/A	N A	N/A	L	L
A1.4.11.2	REQUEST SPECIFIED PLAN(S) FOR AIRCRAFT	E/R	TRIAL PLAN	FLIGHT DATA READOUT AREA, FLIGHT DATA ENTRY	TRIAL PLAN ID/ FLIGHT PLAN IO/ TIME PERIOD, RETRIEVE PLAN	L	L
A1.4.11.3	RECEIVE NOTICE OF RETRIEVED TRIAL PLAN INVALIDITY	R/A	TRIAL PLAN READOUN, INDICATION OF INVALIDITY FOR AIRCRAFT	FLIGHT DATA PEADOUT AREA, FLIGHT DATA DISPLAY	N/A	l.	L
A1,4,11,4	REVIEW RETRIEVED PLAN(S) FOR CORRECTNESS/ APPROPRIATENESS TO TRAFFIC SITUATION	R/A	TRIAL PLAN INFORMATION, TRIAL FLAN READOUT	FLIGHT DATA READOUT APEA, FLIGHT DATA DISPLAY	N/A	L	Į į
A1,4,11.5	ENTER TRIAL PLAN	E	N/A	N/A	FLIGHT ID, FIX, SPEED, ALTITUDE, ROUTE, DELAY DATA, TRIAL PLAN BUILD	L	L
A1,4 11,5	ENTER TRIAL PLAN AMENDMEN!	E	N/A	N/A	TRIAL PLAN ID, FIELD TO BE MODIFIED, NEW DATA, TRIAL PLAN AMENDMENT	L	L
A1,4,11,7	REQUEST QUILK TRIAL PLANNING	E	N/A	N/A	FLIGHT ID, MANEUVER TYPE, MANEUVER STARTING RANGE/ POINT. QUICK TRIAL CLANNING	L	L

DOT/FAA/AP-87-01(VOL#2) CHG 1 29 July 1988

Task Information Requirements									
Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit		
41,4,11,8	REQUEST TRIAL PLAN ROUTE DISPLAY	E/R	TRIAL PLAN ROUTE DISPLAY	SITUATION DISPLAY	REQUEST TRIAL PLAN ROUTE DISPLAY	Ĺ	L		
41,4,11,9	EVALUATE TPIAL PLANNING RESULTS FOR CORRECTNESS/ APPROPRIATENESS TO TRAFFIC SITUATION	А	N/A	N/A	N/A	L	L		
A1.4.11.10	FORMULATE TRIAL PLAN MENTALLY	A	N/A	N/A	N.∕A	м	L		
A1,4.11.11	EVALUATE ALERT OF PREDICTED PROBLEM WITH SPECIFIED PLAN AGAINST FLIGHT PLAN/ TRAFFIC/ WEATHER	R/A	FLIGHT DATA ENTRY, TRAFFIC FLOW, WEATHER DESRIPTOR, FLIGHT DATA ENTRY, TRIAL PLAN, ROUTE DISPLAY, FLIGHT PLAN ALERT, TRIAL PLAN ALERT	AERA ALERT DISPLAY, FLIGHT DATA DISPLAY, SITUATION DISPLAY	N/4		м		
A1.4.11.12	RECEIVE ALERT OF PREDICTED PROBLEM WITH SPECIFIED PLAN	R	FLIGHT PLAN ALERT, TRIAL PLAN ALERT, TRIAL PLAN READOUT	AERA ALERI DISPLAY, FLIGHT DATA READOUT AREA	N/A		м		
A1,4.11.13	RECEIVE TRIAL PLAN NOTICE OF NO CONFLICT/ RESTRICTION VIOLATION	R	TRIAL PLAN NO CONFLICT NOTICE, NO-CONFLICT INDICATION, TRIAL PLAN READOUT	AERA ALERT DISPLAY, FLIGHT DATA READOUT AREA	N/A	Ĺ	L		
A1.4.11.14	DELETE TRIAL PLAN	ε	N/A	N/A	TRIAL PLAN ID, DELETE INDICATION, DELETE TRIAL PLAN	L	i		
A1.4.11.15	ENTER TRIAL PLAN SAVE	Ε	N/A	N/A	TRIAL PLAN ID. SAVE INDICATION, SAVE TRIAL PLAN	l l	Ĺ		
11.4.11.16	REQUEST AIRCRAFT CONFLICT DISPLAY	E./R	AIRCRAFT CONFLICT DISPLAY	SITUATION DISPLAY	REQUEST AIRCRAFT CONFLICT DISPLAY	1			
41.4.11.17	REQUEST AIRSPACE CONFLICT DISPLAY	E/R	AIRSPACE CONFLICT DISPLAY	SITUATION DISPLAY	REQUEST AIRSPACE CONFLICT DISPLAY	L	L		
A1.4.12 .	MANAGING AUTOMATED HANDOFF AND POINTOUT FEATURES								
A1.4.12.1	INHIBIT AUTUMATIC HANDOFF FOR ALL TRACKS OR FOR DESIGNATED TRACK	ε	N/A	N/A	FLIGHT ID, SECTOR/ FACILITY, INHIBIT AUTOMATIC HANDOFF	Ĺ	L		
A1.4.12.2	RESTORE AUTOMATIC HANDOFF FOR ALL TRACKS UR FOR DESIGNATED TRACK	Ē	N/A	N/A	FLIGHT ID, SECTOR/ FACILITY, ENABLE AUTOMATIC HANDOFF	١	L		
A1.4.12.3	RESTURE AUTOMATIC POINTOUT FOR SECTOR/ TRACK	E	N/A	N/A	FLIGHT ID, SECTOR NUMBER, RESTORE AUTOMATIC POINTOUT	_	L		
A1.4.12.4	INHIGHT AUTOMATIC POINTOUT FOR SECTOR/ TRACK	E	N/A	N/A	FLIGHT ID. SECTOR NUMBER, INSTBIT AUTOMATIC POINTOUT	i.	L		
A1.4.13	ESTABLISHING, MAINTAINING, AND TERMINATING RADIO COMMUNICATIONS								
A1.4.15.1	RECEIVE REQUEST TO CANCEL AIR TRAFFIC SERVICES	VC	N/A	N/A	N/A	l	L		
A1.4.13.2	TERMINATE RADIO COMMUNICATIONS WITH AIRCRAFT	vc	N/A	N/A	N/A	l	:		
A1,4.15,3	RECEIVE ARRIVAL MESSAGE	VC.	N/A	N/A	N/A				
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DOT/FAA/AP 87-01(VOL#2) 6 July 1987

Task Number	Task Stutement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
A1,4.13,4	DETERMINE FREQUENCY IN USE BY RECEIVING SECTOR	R/A	RADIO FREQUENCY, COMMUNICATION STATUS, SECTOR FREQUENCY	SYSTEM STATUS DATA DISPLAY, VSCS A/G DISPLAY, STATIC INFORMATION DISPLAY	N/A	L	ĸ
A1.4 13.5	ISSUE CHANGE OF FREQUENCY TO PILOT	vC	N/A	N/A	N/A	н	М
41.4.13.6	RECEIVE INITIAL RADIO CONTACT FROM PILOT	VC	N/A	N/A	N/A	н	н
A1.4 13.7	ISSUE ALTIMETER SETTING	R/VC	ALTIMETER SETTING	A&M DATA DISPLAY	N/A	н	М
41,4,13,8	VERIFY AIRCRAFT ALTITUDE	R/A/VC	FULL DATA BLOCK, FLIGHT DATA ENTRY	SITUATION DISPLAY, FLIGHT DATA DISPLAY	N/A	н	н
A1.4.14	ESTABLISHING/ REESTABLISHING RADAR IDENTIFICATION						
41.4.14.1	OBSERVE TARGET ENTERING RADAR COVERAGE	R/A	TARGET POSITION SYMBOL, FULL DATA BLOCK, LIMITED DATA BLOCK	SITUATION DISPLAY	N/A	н	M
Λ1.4.14.2	INFORM PILOT THAT RADAR CONTACT IS ESTABLISHED	VC	N/A	N/A	N/A	Ĺ	М
A1,4,14.3	CONDUCT RADAR IDENTIFICATION PROCEDURES	VC/R	TARGET POSITION SYMBOL, BACKGROUND DESCRIPTOR, DATA BLOCK	SITUATION DISPLAY	N/A	М	н
A1.5	ASSESS WEATHER IMPACT			<u> </u>	1		
41.5.1	RESPONDING TO SIGNIFICANT WEATHER INFORMATION						
41.5.1.1	OBSERVE DISPLAY OF WEATHER LINE/ INTENSITY/ BASE/ HEIGHT/ MOVEMENT	R/A	RWP HAZARDOUS AREA GUTLINE, IFR/ IMC AREA OUTLINE, RWP HAZARDOUS WEATHER DATA	SITUATION DISPLAY, RWP WEATHER PRODUCT, WEATHER DISPLAY	N/A	Ĺ	н
A1.5.1.2	DETECT A&M ALERT	R	HAZARDOUS WEATHER ALERT, A&M ALERT	SITUATION DISPLAY, WEATHER DISPLAY, A&M DATA DISPLAY	N/A	l	н
A1.5.1.3	RECEIVE WEATHER BRIEFING FROM METEOROLOGIST	R/VC	WEATHER BRIEFING	TEXTUAL ATC MAIL	N/A	L	н
A1.5.1.4	ENTER PIREP INTO SYSTEM	E	N/A	N/A	FLIGHT 1D, TYPE AIRCRAFT, LOCATION, TIME, COURDINATION, TEXT, PIREP	L	М
A1.5.1.5	DETERMINE WHETHER ANOTHER CONTROLLER OR PILOT NEEDS WEATHER ADVISORY	А	N/A	N/A	N/A		М
A1.5.1.6	DETERMINE WEATHER IMPACT ON ROUTES/ FLOW	А	N/A	N/A	N/A	L	н
A1.5.1.7	DETERMINE ALTITUDE/ ROUTE CHANGE TO BYPASS SEVERE WEATHER	A	N/A	N/A	N/A	Ł	н
A1.5.1.8	RECEIVE PIREP ON WEATHER	R/VC	PIREP	A&M DATA DISPLAY	N/A	L	M
A1.5.1.9	ISSUE WEATHER/ ADVISORY/ UPDATE TO PILOT/ ANOTHER CONTROLLER	E/VC	N/A	N/A	TEXTUAL ATC MAIL	i	H
A1.5.1.10	INFORM SUPERVISOR/ IMC OF WEATHER IMPACT ON ROUTES/ FLOW	E/VC	N/A	N/A	TEXTUAL ATC MAIL	Ĺ	н

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ask Number	Tusk Statement	Task Type	Information Received	Infermation Source	Information Entered	Freq	Cri
1.5.1.11	REQUEST WEATHER INFORMATION	E/VC	N/A	N/A	TEXTUAL ATC MAIL	Ĺ	М
1.5.1.12	RECEIVE WEATHER AGVISORY FROM ANOTHER CONTROLLER/ SUPERVISOR/ METEOROLOGIST	R/VC	WEATHER ADVISORY	TEXTUAL ATC MAIL	N/A	L	14
u.5.1.13	RECEIVE CONTROLLER REQUEST FOR WEATHER INFORMATION	R/VC	REQUEST WEATHER INFORMATION	TEXTUAL ATC MAIL	N/A	l.	М
1,5,1,14	FORWARD WEATHER INFORMATION TO SUPERVISOR/ METEORCLOGIST	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	M
11.5.1.15	RECEIVE NEW ROUTING FOR WEATHER AVOIDANCE FROM SUPERVISOR/ IMC	R/VC/A	TRAFFIC MANAGEMENT ADVISORY LIST	TRAFFIC MANAGEMENT ADVISORY LIST, TEXTUAL ATC MAIL	N/A	L	н
11.5,1.16	BROADCAST RECORDED WEATHER INFORMATION	vc	N/A	N/A	N/A	L .	м
A1.5.1.17	EVALUATE IMPACT OF NEW A&M CONDITION	ÑΑ	A&M UAIA	A&M DATA DISPLAY	N/A	L	М
11.5.1.18	REQUEST SUPERVISOR/ TMC TO RELEASE AIRSPACE	E/VC	N/A	N/A	TEXTUAL ATC MAIL	l,	l.
11.5, .19	REQUEST SUPERVISOR/ TMC TO DEFINE ATC AIRSPACE	E/vC	N/A	N/A	TEXTUAL ATC MAIL	L	M
1.5.1.20	ACKNOWLEDGE A&M ALERT	E	N/A	N/A	ACKNOWLEDGE A&M ALERT	L	L
31.5.1.21	FORMARD URGENT PIREP TO OTHER CONTROLLER	E/VC	N/A	N/A	FLIGHT ID, COORDINATION, PIREP FUNCTION, TEXUAL ATC MAIL		н
41.5.1.22	ENTER AIRPORT ENVIRCOMMENTAL DATA INTO SYSTEM	E	N/A	N/A	ATIS CODE, ALTIMETER SETTING, TBD	М	M
41.5.2	PROCESSING MEATHER REPORTS						
A1.5.2.1	RECEIVE AIRPORT SPECIFIC NOTAM	R/VC	CURRENT NOTAM	AIRPORT ENVIRONMENTAL DATA DISPLAY, AIRPORT INFORMATION	N/A	L	L
41.5.2.2	RECEIVE WEATHER REPORT UPDATE (E.G., HOP-DLY SURFACE OBSERVATION)	R/VÇ	WEATHER REPORT, A&M DATA	A&M DATA DISPLAY	N/A	L	М
A1.5.2.3	DETERMINE WHETHER USABLE FLIGHT LEVEL HAS CHANGED	R/A	MINIMUM ASSIGNABLE FLIGHT LEVEL	A&M DATA DISPLAY	N/A	М	Н
A1.5.2.4	DETERMINE WHETHER RUMWAY CONDITIONS HAVE CHANGED	R/A	RUMNAY ALERT DATA	AIRPORT ENVIRONMENTAL DATA DISPLAY, AIRPORT INFORMATION	N/A	м	н
A1.S.2.5	DETERMINE WHETHER CONTROL ZONE IS IFR/ VFR	R/A	VISIBILITY, CEILING HEIGHT/ REPORT, IFR/ IMC AREA CUILINE	A&M DATA DISPLAY, AIRPORT ENVIRONMENTAL DATA DISPLAY, SITUATION DISPLAY	N/A	L	н
A1.5.2.6	REVIEW ATIS VOICE RECORDING	VC/A	N/A	N/A	N/A	М	l
A1.5.2.7	FORWARD RUNLIAY U' T DATA	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	М
A1.5.2.8	RECEIVE GENERAL NATURE	R/VC	NOTAM	A&M DATA DISPLAY	N/A	L	1.

Task Information Requirements							
Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
A1.5.2.9	RECEIVE RUNNAY USE DATA	R/VC/A	RUNDAY CONFIGURATION, RUNDAY VISUAL RANGE DATA	AIRPORT ENVIRCMMENTAL DATA DISPLAY, TEXTUAL AIC MAIL	N/A	м	М
41.5.2.10	DETECT AIRPORT ENVIRONMENTAL DATA ALERT	R	ENVIRONMENTAL ALERT	AIRPORT ENVIRONMENTAL DATA DISPLAY	N/A	L	М
41.5.2.11	DETERMINE FAULTY AIRPORT ENVIRONMENTAL SENSOR	R/A	CENTER FIELD WIND DIRECTION/ SPEED/ GUST SPEED, RVR DATA, LON LEVEL WIND SHEAR ALERT SYSTEM DATA, VORTEX ADVISORY DATA	AIRPCRT ENVIRCNMENTAL DATA DISPLAY	N/A	L	М
41.5.2.12	ENTER AIRPORT ENVIRONMENTAL SENSOR DATA OVERRIDE	E	N/A	N/A	SENSOR ID, FALLBACK VALUE, INHIBIT/ PERMIT DATA, SENSOR OVERRIDE	L	٤
A1.5.2.13	RECEIVE NOTICE OF FAULTY AIRPORT ENVIRONMENTAL SENSOR	R/VC	FAULTY SENSOR, ATC AIRPORT EQUIPMENT ALERT	SYSTEM STATUS DATA DISPLAY, TEXTUAL ATC MAIL	N/A	L	м
A1.5.2.14	PEVIEW PISPLAYED WEATIES INFORMATION	R/A	A&M DATA, WEATHER DESCRIPTOR	A&M DATA DISPLAY, SITUATION DISPLAY, WEATHER DISPLAY	N/A	M	М
A1 6	MANAGE SECTOR/ POSITION RESOURCES						
A1.6.1	BRIEFING RELIEVING CONTROLLERS						
A1.6.1.1	BRIEF RELIEVING CONTROLLER	E/R/VC	POSITION CHECKLIST	STATIC INFORMATION DISPLAY	STATIC INFORMATION ITEM ID, DISPLAY STATIC INFORMATION	Ĺ	н
A1.6.1.2	SIGN OFF AT CONSOLE	E	N/A	N/A	USER ID. OPERATIONAL RESPONSIBILITY DESIGNATUR, SIGN OFF	L	Ļ
A1.6.1.3	VERIFY COMPLETENESS OF RELIEF BRIEFING RECEIPT	R/A	POSITION CHECKLIST	STATIC INFORMATION DISPLAY	N/A	Ļ	н
41.6.2	ASSUMING POSITION RESPONSIBILITY						
A1.E.2.1	REVIEW SYSTEM STATUS TO DETERMINE CURRENCY/ UPDATE SELF	R/A	SYSTEM STATUS, POSITION CHECKLIST	SYSTEM STATUS DATA DISPLAY, SPECIAL LISTS, STATIC INFORMATION DISPLAY	N/A	L	М
A1.6.2.2	REVIEW CURRENT AND PROJECTED TRAFFIC STATUS/ WEATHER	R/A	TRAFFIC, FLIGHT DATA, WFATHER, TRAFFIC MANAGEMENT INFORMATION	ALL LOGICAL DISPLAYS	N/A	М	Н
A1.6.2.3	VERIFY THAT ALL REQUIRED PARAMETERS ARE IN PROPER LOCATION	R/A	PARAMETER SETTINGS	LOGICAL DISPLAYS, PHYSICAL CONSOLE SETTINGS	N/A	м	М
A1.6.2.4	SIGN ON AT DESIGNATED CONSOLE	E	N/A	N/A	USER ID, OPERATIONAL RESPONSIBILITY DESIGNATOR, DISPLAY PREFERENCE SET IDENTIFIER, SIGN ON	l.	L
A1.6.2.5	ADJUST WORKSTATION TO PERSONAL PREFERENCE	Ε	N/A	N/A	MODIFY DISPLAY PREFERENCE SET	L	L
A1.6 2.6	CHECK WORKSTATION FOR PROPER CONFIGURATION, USABILITY, AND SATISFACTORY STATUS	R/A	DISPLAY CONFIGURATION, USABILITY, STATUS	LOGICAL DISPLAYS	N/A	М	м
A1.6.2./	SET UP WORKSTATION ADAPTATION PARAMETERS	E	N/A	N/A	CONSOLE CONFIGURATION EDIT	L	L

	Task Information Requirements						
Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
A1.6.2.8	REVIEW BRIEFING CHECKLIST/ NOTES TO ASSURE COMPLETENESS OF BRIEFING COVERAGE	E/R/A/VC	POSITION CHECKLIST, FREE-FORM TEXT NOTE	STATIC INFORMATION DISPLAY. CONTROLLER NOTEPAD DISPLAY	STATIC INFORMATION ITEM ID, DISPLAV STATIC INFORMATION	L	М
A1.6.2.9	REQUEST IMPLEMENTATION OF PROGRAMMED PERSONAL PREFERENCE ADJUSTMENTS	E	N/A	N/A	DISP PREF 1D, LOGICAL DISP ID, CURRENT DISP SELECTIONS, INVOKE, LOGICAL DISP VIEWPORT LOCATION, PORTION OF PREF SET, DISP/ INVOKE PREF SET	L	Ĺ
41.6.2.18	DETERMINE IF READY TO ACCEPT CONTROL RESPONSIBILITY	А	N/A	N/A	N/A	L	н
A1.6.3	RESPONDING TO TRANSIENT COMPUTER FAILURES						
A1.6.3.1	DETECT NON-ACCEPTANCE OF INPUT DATA	R/A	OPERATIONAL FUNCTION DEGRADATION/ FAILURE, DATA REJECT MESSAGE	ALL LOGICAL DISPLAYS ON WHICH DATA CAN BE INPUT, COMPUTER OUTAGE	N/A	L	н
A1.6.3.2	INFORM SUPERVISOR OF TRANSIENT EQUIPMENT FAILURE	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	М
A1.6.4	EXECUTING BACKUP PROCEDURES FOR SECTOR SUITE FAILURES						
A1.6.4.1	DETECT OCCURRENCE OF SECTOR SUITE FTTTRE	R/A	SECTOR SUITE MALFUNCTION	ALL LOGICAL DISPLAYS	N/A	L	н
A1.6.4.2	OBSERVE SECTOR SUITE DATA BASE RESTORATION COMPLETION MESSAGE	R	COMPUTER OUTAGE, SECTOR SUITE OPERATION	SYSTEM STATUS DATA DISPLAY, FLIGHT DATA DISPLAY, SITUATION DISPLAY	N/A	Ł	н
A1.6.4.3	FORWARD NOTICE OF EQUIPMENT STATUS	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	н
A1.6.4.4	RECEIVE STATUS OF SECTOR SUITE FAILURE FROM CONTROLLER/ SUPERVISOR	R/VC	STATUS OF SECTOR SUITE FAILURE	TEXTUAL ATC MAIL	N/A	L	н
A1.6.4.5	REQUEST SPECIFIED DISPLAY DATA BE PRESENTED ON AND CONTROLLED AT A SPECIFIC COMMON CONSOLE	E	N/A	N/A	REQUEST ASSIGNMENT OF LOGICAL DISPLAY TO ONE PHYSICAL DISPLAY	l	Н
-1.6.5	EXECUTING BACKUP PROCEDURES FOR ACCC FAILURES						
A1.6.5.1	DETECT OCCURRENCE OF ACCC FAILURE	R/A	ACCC FAILURE, COMPUTER OUTAGE	SYSTEM STATUS DATA DISPLAY, ALL OTHER LOGICAL DISPLAYS	N/A	L	н
A1.6.5.2	REVERT TO ACCC BACKUP PROCEDURES (TBD)	TBD	TBD	CBT	T80	L	Н
A1.6.5.3	REVERT TO ACCC EMERGENCY MCDE PROCEDURES (TBD)	TBD	TB0	TBD	TRO	L	н
A1.6.5.4	VERIFY COMPUTER ACTION DURING TRANSITION STAGES	F/R/VC	FOB. FED. COMPUTER ID. CALLSIGN, TIME, FDE. MODE C ALTITUDE. ALTITUDE INFORMATION	SITUATION DISPLAY, FLIGHT DATA DISFLAY	SYSTEM STATUS DATA CHANGE	L	R
A1.6.5.5	REVERT TO ACCC REDUCED CAPABILITY MODE PROCEDURES (TBD)	T8D	TBD	Tad	ТВО	L	H

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	Tosk Number	Task Statement	Tosk Type	Information Received	Information Source	Information Entered	Freq	Crit
	A1 6.5.6	RECEIVE CONFIRMATION OF COMPUTER ACTION DURING TRANSITION STAGES	vc	N/A	N/A	N/A	L	н
	A1.6.6	EXECUTING BACKUP NAVAID PROCEDURES						
	41.6.6.1	DETERMING AIRCRAFT NEEDING SUBSTITUTE ROUTING	R/A	CALLSIGN, ROUTE INFORMATION	FLIGHT DATA ENTRY	N/A	L	M
	41.6.6.2	REVIEW STATUS OF QUESTIONABLE NAVAID	R/VC	NAVAID OUTAGE, NAVAID REPAIR SCHEDULE	SYSTEM STATUS DATA DISPLAY	N/A	L	L
1	A1.6.6.3	OBSERVE SUBSTITUTE ROUTING ON DISPLAY	P	SUBSTITUTE ROUTING, USAGE OF ADAPTED ROUTES	STATIC INFORMATION DISPLAY, SYSTEM STATUS DATA DISPLAY	N/A	L	L
	A1.6.6.4	RECEIVE NOTICE OF NAVAID STATUS	R/VC	NAVAID STATUS	TEXTUAL ATC MAIL	N/A	Ł	М
	A1.6.6.5	RECEIVE SUBSTITUTE ROUTING	R/VC	TRAFFIC MANAGEMENT ADVISORY LIST, SUBSTITUTE ROUTING	SPECIAL LISTS, TEXTUAL ATC MAIL	N/A	L	M
	A1.6.6.6	RECEIVE CANCELLATION OF SUBSTITUTE ROUTING	R/VC	TRAFFIC MANAGEMENT ADVISORV LIST, CANCEL SUBSTITUTE ROUTING	SPECIAL LISTS, TEXTUAL ATC MAIL	N/A	L.	М
	A1.6.6.7	FORWARD NAVAID STATUS TO ANOTHER CONTROLLER/ SUPERVISOR/ PILOT	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	М
	41.6.6.3	FORWARD SUBSTITUTE ROUTING	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	н
	A1.6.6.9	DELETE PREVIOUS SUBSTITUTE ROUTING	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	m
	A1.6.6.10	DISCUSS APPROPRIATENESS WITH SUPERVISOR OF RELEASING EQUIPMENT TO MAINTENANCE	A/VC	N/A	N/A	N/A	L	L
	A1.6.6.11	REVIEW NEED/ CANCELLATION OF SUBSTITUTE ROUTING NITH SUPERVISOR	A/VC	N/A	N/A	N/A	L	Ł
	A1.6.6.12	RECEIVE SUPERVISOR NOTICE OF EQUIPMENT RELEASED TO MAINTENANCE	R/VC	EQUIPMENT RELEASED YO MAINTENANCE	TEXTUAL ATC MAIL	N/A	L	M
	A1.6.6.13	ENTER REPETITIVE SUBSTITUTE ROUTING FOR MULTIPLE FLIGHTS	E	N/A	N/A	FLIGHT IDENTIFICATION, ROUTE IDENTIFIER, ROUTE, ROUTE SEGMENT, REPETITIVE ROUTE AMENDMENT	L	L
	A1.6.6.14	ENTER MESSAGE 10 CREATE ROUTE SUBSTITUTION FOR AIRCRAFT	E	N/A	N/A	ROUTE IDENTIFIER, ROUTE, ROUTE SEGMENT, CREATE ROUTE	L	L
	A1.6.6.15	ENTER MESSAGE TO DELETE A ROUTE SUBSTITUTION	E	N/A	N/A	ROUTE IDENTIFIER, ROUTE, ROUTE SEGMENT, DELETE ROUTE	L	L
	A1.6.7	EXECUTING BACKUP PROCEOURES FOR COMMUNICATION FAILURES						
	A1.6.7.1	DETECT COMMUNICATION FAILURE	vc/A	N/A	N/A	N/A	١	В
	A1.6.7.2	FORWARD ALTERNATE COMMUNICATION PATH	F\AC	N/A	N/A	TEXTUAL ATC MAIL	Ĺ	Н
	A1.6.7.3	RECEIVE NEW FREQUENCY ASSIGNMENT	R/VC	NEW FREQUENCY	TEXTUAL ATC MAIL	N/A	L	н

Task Information Requirements							
Tosk Number	Task Statement	Tosk Type	Information Received	Information Source	Information Entered	Freq	Crit
41.6.7.4	FORWARD NOTICE OF COMMUNICATION STATUS	E./VC	N/A	N/A	TEXTUAL ATC MAIL	L	м
A1.6 7.5	FORWARD NEW FREQUENCY ASSIGNMENT TO ANOTHER CCNTROLLER/ SUPERVISOR/ PILOT	E/vC	N/A	N/A	TEXTUAL ATC MAIL	L	H
41.6.7.6	RECEIVE NOTICE OF ALTERNATE COMMUNICATION PAIH	R/VC	ALTERNATE CCMMUNICATION PATH	TEXTUAL ATC MAIL	N/A	L	н
A1.6.8	MANAGING PERSONAL WORNLOAD						
A1.6.8.1	DETERMINE IMPENDING CONTROLLER OVERLOAD	А	N/A	N/A	N/A	L	н
A1.6.8.2	EVALUATE WORKLOAD FACTORS NOT INCLUDED IN AUTOMATED INFORMATION	A	N/A	N/A	N/A	l.	н
41.6.8.3	REQUEST ASSISTANCE OR RELIEF	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	Н
A1.6.8.4	REQUEST FLOW CONTROL BE IMPOSED	E/vC	N/A	N/A	TEXTUAL ATC MAIL	L	Н
A1.6.8.5	REQUEST SECTOR WORKLOAD PREDICTIONS	E/R	SECTOR WORKLOAD PREDICTION	SECTOR WORKLOAD DISPLAY	SECTOR WORKLOAD PREDICTION, TIME INTERVAL	L	L
41,6,8.6	EVALUATE SECTOR NORKLOAD PREDICTIONS	A	N/A	N/A	N/A	L	L
A1.6.9	PERFORMING PROCEDURES FOR NON-KADAR ENVIRONMENT						
A1.6.9 1	INFORM PILOT OF RADAR CONTACT LOST	۷C	N/A	N/A	N/A	-	м
A1.6.9.2	REASSOCIATE DATA BLUCK	٤	N/A	N/A	FLIGHT ID. NEW COORDINATE POSITION, TRACK REPOSITION	L	
A1.6.9.3	OBSERVE DATA BLOCK NOT ASSOCIATED WITH TARGET	R	DATA BLOCK, TARGET POSITION SYMBOL	SITUATION DISPLAY	N/A	L	
A1.6.9.4	TERMINATE RADAR SERVICE TO AIRCRAFT	vc	N/A	N/A	N/A	L	M
A1.6.9.5	INITIATE USE OF NON-RADAR SEPARATION STANDARDS	R/A	FULL DATA BLOCK, TARGET POSITION SYMBOL, FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY, SITUATION DISPLAY	N/A	L	н
A1.6.9.6	SUPPRESS FLIGHT PLAN EXTRAPOLATION FOR A TRACK	Ε	N/A	N/A	FLIGHT ID, FLIGHT PLAN EXTRAPOLATION (SUPPRESS)	L	М
A1.6.9.7	INITIATE USE OF RADAR SEPARATION STANDARDS	R/A/E	FULL DATA BLOCK, TARGET POSITION SYMBOL	SITUATION DISPLAY	N/A	١	M
A1.6.9.8	REQUEST PILOT POSITION REPORTS	vc	N/A	N/A	N/A	L	н
A1.6.9.9	OBSERVE RETURN OF NORMAL RADAR ENVIRONMENT	R/A	FULL DATA BLOCK, TARGET POSITION SYMBOL	SITUATION DISPLAY			В
A1.6.9.10	OBSERVÉ AIRCRAFT TRACK IN COAST MODE	R	COAST INDICATOR, TRACK STATUS	TRACK POSITION SYMBOL, FULL DATA BLOCK	N/A	۱ .	н
A1.6.10	EXECUTING BACKUP PROCEDURES FUN LOSS OF FLIGHT PLAN DATA BASE						
A1.6.10.1	OBSERVE MESSAGE ON LOSS OF FLIGHT PLAN DATA BASE	R	OPERATIONAL FUNCTION DEGRADATION/ FAILURE, COMPUTER OUTAGE	SYSTEM STATUS DATA DISPLAY	N/A	L	Н

			IOSX	Information Requ	irements			
	Task Number	Task Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
	A1.6.10.2	DETECT FAILURE TO UPDATE FILIGHT PLAN DATA BASE	R/A	FLIGHT PLAN DATA BASE NOT UPDATING	FLIGHT DATA DISPLAY	N/A	Ĺ	н
	A1.6.10.3	ENTER DISPLAY AMENOMENT MUSSAGE ON CONSOLE	E	N/A	N/A	FLIGHT ID. FIELD TO BE MODIFIED, NEW DATA, FLIGHT DATA AMENDMENT	į	н
	41.6.10.4	ENTER FLIGHT PLAN ON CONSOLE	E	N/A	N/A	CALLSIGN, PLAN DATA. FLIGHT PLAN	L	н
	A1.6.10.5	VERIFY FLIGHT PLAN DATA BASE TRANSITION ACTIVITIES	E/R, VC	FLIGHT DATA ENTRY, FULL DATA PLOCK, TRANSITION VERIFICATION	FLIGHT DATA DISPLAY, SITUATION DISPLAY, TEXTUAL ATC MAIL	TEXTUAL ATC MAIL	L	М
	41.6.11	RESPONDING TO TRANSTENT VSCS FAILURES						
	41.6.11.1	SETECT → NRFLIABLE VSCS COMMUNICATION	A/VC	UNRELIABLE VSCS COMMUNICATION	OIRECT OBSERVATION	N/A	L	н
	A1.6.11.2	QUERY WHETHER OTHERS ARE RECEIVING AN AIRCRAFT'S TRANSMISSIONS	E/VC	N/A	N/A	TEXTUAL ATC MAIL	L	н
	41.6.11.3	ISSUE ALTERNATE COMMUNICATION FOR AIR/ GROUND TRANSMISSION	VC	N/A	N/A	N/A	L	н
	A1.6,11.4	RECEIVE NOTICE OF TRANSIENT COMMUNICATION FAILURE	R/VC	TRANSIENT COMMUNICATION FAILURE	TEXTUAL ATC MAIL.	N/A	L	м
	A1.6.12	RESPONDING TO AIRSPACE RECONFIGURATIONS/ RESECTORIZATIONS						
	A1.6.12.1	RECEIVE NOTICE TO TAKE OVER AIRSPACE	R/VC	TAKE OVER AIRSPACE	TEXTUAL ATC MAIL	N/A	L	н
	A1.6.12.2	RECEIVE NOTICE TO PREPARE FOR SECTOR RECCNFIGURATION	R/VC	FLIGHT DATA ENIRY, RESECTORIZATION SUPPORT FDE INDICATION, NOTICE TO PREPARE FOR RECONFIGURATION	FLIGHT DATA DISPLAY, TEXTUAL ATC MAIL	N/A	L	Н
	A1.6.12.3	RECEIVE NOTICE TO RELEASE AIRSPACE	R/VC	RELEASE AIRSPACE	TEXTUAL ATC MAIL	N/A	L	н
	A1.6.12.4	RECEIVE NOTICE THAT ADJACENT FACILITY IS OPERATIVE	R/VC	ADJACENT FACILITY OPERATIVE	TEXTUAL ATC MAIL	N/A	L	н
	A1.6.12.5	RECEIVE NOTICE THAT ADJACENT FACILITY IS INOPERATIVE	R/VC	ADJACENT FACILITY INOPERATIVE	TEXTUAL ATC MAIL	N/A	L	н
1	A1.6.12.6	ENTER RECONFIGURATION/ RESECTORIZATION ACCEPTANCE	E/VC	N/A	N/A	ACCEPT RESECTORIZATION	L	М
•	A1.S.13	PESPONDING TO SENSOR OUTAGES						
	A1.6.13.1	RECEIVE NOTICE OF RADAR SENSOR STATUS	R/VC	RADAR EQUIPMENT OUTAGE	TEXTUAL ATC MAIL	N/A	L	Н
	A1.6.13.2	RECEIVE PROCEDURES TO BE USED TO ACCOMMODATE SENSOR CUTAGE	R/VC	SENSOR OUTAGE PROCEDURES	TEXTUAL ATC MAIL	N/A	L	м
	A1.6.13.3	PERCEIVE TRACKING OR TRANSPONDER FAILURE	R/A	TRACK SWAP, FALSE RETURN, TRACK DISASSOCIATION, TRACK POSITION SYMBOL, COAST INDICATOR, TRANSPUNDER FAILURE NOTICE	SITUATION DISPLAY, FULL DATA BLOCK	N/A	ι.	н
	L <u></u>	<u> </u>						

	Task Information Requirements						
Task Number	lask Statement	Task Type	Information Received	Information Source	Information Entered	Freq	Crit
Task Number	TOSK Statement  FORWARD NOTICE OF RADAR SENSOR STATUS TO ANOTHER CONTROLLER/ SUPERVISOR	Туре	Information Received	Source N/A	Information Entered TEXTUAL ATC MAIL	Freq L	M

## COGNITIVE/SENSORY ATTRIBUTES

This section provides a characterization of Extreme and High criticality tasks in terms of key cognitive and sensory human attributes involved in the performance of the tasks. These are the human abilities required to perform a task.

Fourteen cognitive and sensory attributes are relevant to the tasks inherent in Air Traffic Control. Definitions of each attribute and ATC examples of each attribute are provided in Section 3.4.2 (Table 3.4-1) of Volume I. The 14 attributes are grouped by type of task, as previously identified in the Task Information Requirements table of this appendix:

Associated With ENTRY (E) Tasks

Coding

Associated With RECEIPT (R) Tasks

Movement Detection Spatial Scanning Filtering Image/Pattern Recognition Decoding

Associated With ANALYTICAL (A) Tasks

Visualization
Short-Term Memory
Long-Term Memory
Deductive Reasoning
Inductive Reasoning
Mat! ematical/Probabilistic Reasoning
Prioritizing

Associated With VERBAL COORDINATION (VC) Tasks

Verbal Filtering

Analytical attributes predominate as key requirements of critical controller tasks, along with message filtering and decoding. The frequency of attribute association with the 168 critical tasks is as follows:

Coding	31 Tasks
Movement Detection Spatial Scanning Filtering	13 Tasks 22 Tasks 42 Tasks
Image/Pattern Recognition Decoding	20 Tasks 58 Tasks

Visualization	45 Tasks
Short-Term Memory	35 Tasks
Long-Term Memory	9 Tasks
Deductive Reasoning	41 Tasks
Inductive Reasoning	28 Tasks
Mathematical/Probabilistic Reasoning	31 Tasks
Prioritizing	21 Tasks
·	
Verbal Filtering	41 Tasks

Total Norman	Critical Task Cognitive	, 001130	<del></del>	
Task Number	Tusk Stat ment	Coding	Movement Detector Scallal Scarning Fillering Fillering I/P accognition Decoding	Visualization Shrt jerm Merory Shrt jerm Merory Long Term Merory Deduct Peasoning M/P Seasoning Prioritizing
4),1,1,1	REMIEW FLIGHT DATA DISPLAY FOR PRESENT AND/ OR FUTURE		S D	V S! ( I M
A1.1.1.2	AIRCRAFT SEPARATION REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF			V
	AIRCRAFT SEPARATION STANDARDS		M:S:F	
41.1.1.4	PROJECT MENTALLY AN AIRCRAFT'S FUTURE POSITION; ALTITUDE, PATH		M S.F. D;	V S:
A1,1,1,7	DETERMINE WHETHER AIRCRAFT MAY BE SEPARATED BY LESS THAN PRESCRIBED MINIMA			D, 'M
A1.1.1.12	REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF AIRSPACE SEPARATION STANDARDS		M/S/F	V       I   M
A1,1,1,13	REVIEW DISPLAYS FOR POTENTIAL VIOLATION OF FLOW RESTRICTIONS		S F D	V S   D
41.1.1.15	DETERMINE WHETHER AIRSPACE SEPARATION STANDARDS MAY 6E VIOLATED			Di Mi i i
A1.1.1.17	DETERMINE WHETHER FLOW RESTRICTIONS MAY BE VIOLATED			O M I
A1.1.4.2	INITIATE TRACK MANUALLY	ci i	IS,	
A1, 1, 4, 3	OBSERVE AUTOMATIC TRACK START		SiF	
41.1.4.4	RECEIVE DEPARTURE/ EN ROUTE TIME NOTICE		S D	F
41.2.1.1	DETECT AIRCRAFT CONFLICT ALERT INDICATION		F	
41.2.1.2	DETERMINE VALIDITY OF POTENTIAL AIRCRAFT CONFLICT NOTICE OR INDICATION			VS D M
A1.2.1.3	RECEIVE CONTROLLER NOTICE OF POTENTIAL AIRCRAFT CONFLICT IN SECTOR			
A1.2.1.4	INFORM CONTROLLER OF POTENTIAL AIRCRAFT CONFLICT IN 915 SECTOR			
41.2.1,6	CHOOSE CONFLICT RESOLUTION OPTION			V D MP
41.2.1.7	REVIEW POTENTIAL CONFLICT SITUATION FOR RESOLUTION		SFID	
41.2.1.8	DETERMINE APPROPRIATE ACTION TO RESOLVE AIRCRAFT CONFLICT SITUATION			V U MIP
41.2.1.9	PERCEIVE POTENTIAL ATRORAGE CONFLICT SITUATION		M S 1 D	V S   1 M
A1.2.2.1	DETECT MSAW INDICATION OR ALARM	1		
A1.2.2.3	RECEIVE CONTROLLER NOTICE OF POTENTIAL MSAW IN SECTOR			
:1.2.2.5	PERCEIVE POTENTIAL LOW ALTITUDE SITUATION			
41.2.2.6	DETERMINE VALIDITY OF MSAW NOTICE OR INDICATION			
41.2.2.7	DETERMINE APPROPRIATE ACTION TO RESULVE LOW ALTITUDE SITUATION			V 0 m P
41.2.3.1	INFORM CONTROLLER OF POTENTIAL AIRSPACE CONFLICT IN HIS SECTOR			
A1.2.3.2	RECEIVE CONTROLLER NOTICE OF POTENTIAL AIRSPACE CONFLICT IN SECTOR			
41.2.3.6	DETERMINE VALIDITY OF AIRSPACE CONFLICT NOTICE OR INDICATION			VS D M
41.2.3.7	PERCEIVE POTENTIAL ATRISPACE CONFLICT STRUATION		MISIF II	V S D. M

Task Number	Task Statement	Attributes
		Movement Detector Spatial Scanding Filtering 1/2 Ecoding Cecoding Visualization Sirt Terr Memory Dedoct Remory Dedoct Remory Dedoct Peasoning Prioritizing Filtering
A1.2.3.8  A1.2.4.1  A1.2.4.3  A1.2.4.4  A1.2.4.5  A1.2.4.12  A1.2.4.14  A1.2.5.1  A1.3.1.8  A1.3.1.15  A1.3.2.6  A1.3.2.11  A1.3.2.12  A1.3.4.5  A1.3.4.6  A1.3.5.3  A1.3.5.3  A1.3.5.4  A1.4.1.6  A1.4.1.11  A1.4.1.15  A1.4.1.15	CETERMINE APPROPRIATE ACTION TO RESCUE AIRSPACE CRNTICO SITUATION  DESCRIP DISPLAY FOR FINLD OBSTRUCTIONS THAT MAY INTERFERE WITH AIRCRAFT FLIGHT  EVALUATE CONFLICT RESOLUTION ADVISORY APPROPRIATENESS FOR PILLID. REDIEF ALTITUDE. METHER  FORMULATE ADVISORY SAFETY ALERT CONTENT  DETECT AIRCRAFT MANEUVER IN RESPONSE TO ADVISORY/ ALERT  ISSUE TRAFFIC ADVISORY/ SAFETY ALERT IN REGARD TO TRAFFIC PROXIMITY  ISSUE ADVISORY IN REGARD TO A NON-CONTROLLED OBJECT  ISSUE SAFETY ALERT IN REGARD TO MINIMUM ALTITUDE  OBSERVE DISPLAY FOR NON CONTROLLED AIRBORNE CHIECTS THAT MAY INTERFERE WITH AIRCRAFT FLIGHT  DETERMINE NEED FOR ADVISORY/ SAFETY ALERT/ CLEARANCE OFTERMINE VALIDITY/ APPROPRIATENESS OF DISPLAY OF AN ALLATY RESOLUTION ADVISORY  RECEIVE SUFERVISOR NOTICE TO HOLD/ REROUTE TRAFFIC CLEAR OF CONTINGENCY  ENDICATION  DETECT LATERAL/ ALTITUDE NONCONFORMANCE INDICATION NOTICATION  CETECT LATERAL/ ALTITUDE NONCONFORMANCE INDICATION FOR ACTION NEEDED  PROJECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY APPROACH FLOW TO AIRFORT OR SECTOR  PROJECT MENTALLY THE RRANCE/ BYARING BETWEEN AIRCRAFT  PROJECT MENTALLY THE RRANCE PROPRIAGE  PROJECT MENTALLY THE RRANCE FLOW FOR AIRCRAFT  PROJECT MENTALLY THE ARRIVAL FLOW FOR AIRCRAFT  CALIFIED  PROJECT MENTALLY THE ARRIVAL FLOW FOR AIRCRAFT  DETERMINE PROPROPALATE MENTAL OR AUTOMATED PLAN FOR  AIRCRAFT CLEARANCE APPROVAL/ CLEARANCE RESIRICTIONS  FORM ANOTHER CONTROLLER PLAN OF ACTION FOR CLEARANCE  DETERMINE PROPRIETY OF CONTROL ACTIONS  PERCEIVE NEED FOR AMENDED CLEARANCE  GETTAMINE FROM THE PLAN OF ACTION FOR CLEARANCE  GETTAMINE PROPROPELATE MENTAL OR ACTION FOR CLEARANCE  DETERMINE PROPROPLICE PLAN OF ACTION FOR CLE	V    D    M  P

254 N. *1 or	Pask Statement		Attrit	outes	
		[entro	Movement Detectring Spatial Scanning Filtering i/P Recognition Decoding	Visualization Shrt Term Memory Long Term Memory Long Term Memory Long Term Memory Deduct Reasoning Induct Reasoning M/P Reasoning Prioritizing	
	PECCARE EMERGEN AND INVOKE CONTINSENSY PLAN REDETIVE NUTICE OF PILOT OR AIRCRAFT HAVING A PROBLEM ELG., OVERDUE, LOSS OF RADIO CONTACT)  ISSUE INVINCITION TORN TRANSFORCER RESPONSE PETCOT A PILOT OR AIRCRAFT PROBLEM (E.G., HYPONIA, FREETIN BEACON CODE?  - TRANSPORTANCE PROSONNEL OF AIRCRAFT HAVING FLIGHT PROBLEMU  IDVILICI SEARCH FOR AIRCRAFT WITHOUT RADIO CONTACT  ISDIFALE AIRCRAFT TOWN TRANSPONCER RESPONSE FOLLOWING TENTIFICIALION REQUEST  TOWN LOT RADIO. RADAR SEARCH FOR OVERQUE AIRCRAFT RETEIVE SUPERVISOR NOTICE OF EMERGENCY DECLARED AND IONITIONAL PLAN INVOKED  RECEIVE SUPERVISOR NOTICE OF EMERGENCY DECLARED AND IONITIONAL PLAN INVOKED  RECEIVE PILOT NUTICE OF EMERGENCY DECLARED  PERCEIVE PRESENCE OF SPECIAL OPERATION RECEIVE FLIGHT DATA REVISION  INTER FLIGHT DATA REVISION  INTER FLIGHT DATA REVISION  INTER FLIGHT DATA REVISION  RECEIVE PROTOS POSITION REPORT  RECEIVE HANCOFF REQUEST  DENY HANCOFF  ACCEPT VERBAL HANCOFF, INITIATE MANUAL TRACK START  ACCEPT AUTOMATIC HANCOFF  DETERMINE THAT AIRCHAFT IS ENTERING SECTOR  DETERMINE HANCOFF FUNCTION  DESERVE AUTOMATIC INITIATION OF HANCOFF  HECELSE STRANSFER OF CONTROL  INITIATE HANCOFF ACCEPTANCE  MISCURS TRANSFER OF CONTROL  INITIATE VERBAL HANCOFF ACCEPTANCE  MISCURS TRANSFER OF CONTROL  INITIATE VERBAL HANCOFF  RECEIVE HANCOFF ACCEPTANCE  MISCURS TRANSFER OF CONTROL  INITIATE VERBAL HANCOFF  RECEIVE HANCOFF ACCEPTANCE  MISCURS TRANSFER OF CONTROL  INITIATE VERBAL HANCOFF  RECEIVE HANCOFF ACCEPTANCE  MISCURS TRANSFER OF CONTROL  INITIATE VERBAL HANCOFF		M	VS D M	

Task Number	Task Statement Attributes								
		Coding	Movement Detectr Sparial Scanning Filtering I/P Recognition Decoding	Visualization Shrt Term Memory Long Term Memory Deduct Reasoning Induct Reasoning M/P Reasoning Prioritizing Filtering					
A1.4.7.7 a1.4.7.8 a1.4.7.12 a1.4.7.13 a1.4.7.14 a1.4.7.15 a1.4.8.2 a1.4.8.2 a1.4.8.2 a1.4.8.3 a1.4.8.2 a1.4.9.5 a1.4.9.5 a1.4.9.5 a1.4.9.5 a1.4.9.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5 a1.4.10.5	RECEIVE REQUEST FOR TRANSFER OF CONTROL  DETERMINE THAT AIRCRAFT IS LEAVING SECTOR  INFORM CONTROLLER OF ANY CONDITIONS AFFECTING TRANSFER OF CONTROL  INFORM CONTROLLER OF RELINQUISHED CONTROL OF AIRCRAFT  DETECT HANDOFF ALERT INDICATION REDIRECT HANDOFF REJECTION  INITIATE POINTOUT  DESERVE AUTOMATIC INITIATION OF POINTOUT TO ANOTHER CONTROLLER  RECEIVE ACCEPTANCE OF POINTOUT  DETECT INDICATION OF NO ACTION ON POINTOUT  DISCUSS POINTOUT WITH OTHER CONTROLLER  RECEIVE POINTOUT  DETERMINE RESPONSE TO POINTOUT  DETERMINE RESPONSE TO POINTOUT  ACCEPT POINTOUT  DETERMINE RESPONSE TO POINTOUT  ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT  ISSUE CLEARANCE THROUGH ATCTY FSS FOR RELAY TO PILOT  LERIFY AIRCRAFT COMPLIANCE WITH CLEARANCE  DUERY PILOT REGARDING CONFORMANCE WITH CLEARANCE  DUERY PILOT REGARDING CONFORMANCE WITH CLEARANCE  DUERY PILOT REGARDING CONFORMANCE WITH CLEARANCE  DUERY AIRCRAFT ALT: "UPE  CONDUCT RADAR "DENT!! ICATION PROCEDURES  DBSERVE DISPLAY OF WEATHER LINEY INTENSITY BASE/  MEIGHT/ MOVEMENT  CETECT ASM ALERT  RECRIVE WEATHER BRILFING FROM METEOROLOGIST  DETERMINE WEATHER BRILFING FROM METEOROLOGIST	C C C C C C C C C C C C C C C C C C C	F D	V S D P F F F F F F F F F F F F F F F F F F					

	Detectrice Scanding Guition aution aution aution aution aution aution casoning casoning casoning ging	
Sei le A	Coding  Movement Detectrangerial Scanding Filtering I/P Recognition Decoding  Visualization Shri Term Memory Long Term Memory Dedoct Reasoning M/P Ressoning Prioritizing Filtering	
A1.5.1.16 INFORM SUPERVISOR/ TMC OF WEATHER IMPACT ON ROUTES/ FLOW  A1.5.1.12 RECEIVE WEATHER ADVISORY FROM ANOTHER CONTROLLER/ SUPERVISOR/ METEOROLOGIST  A1.5.1.15 RECEIVE NEW ROUTING FOR WEATHER . VOIDANCE FROM SUPERVISOR/ TMC  A1.5.1.21 FORWARD URGENT PIREP TO OTHER CONTROLLER  A1.5.2.3 DETERMINE WHETHER USABLE FLIGHT LEVEL HAS CHANGED  A1.5.2.4 DETERMINE WHETHER USABLE FLIGHT LEVEL HAS CHANGED  A1.5.2.5 DETERMINE WHETHER CONTROL ZONE IS IFR/ VFR  A1.6.1.1 BRIEF RELIEVING CONTROLLER  A1.6.1.2 REVIEW CUMPLETENESS OF RELIEF BRIEFING RECEIPT  A1.6.2.2 REVIEW CURRENT AND PROJECTED TRAFFIC STATUS/ WEATHER  A1.6.2.10 DETECT NON-ACCEPTANCE OF INPUT DATA  A1.6.4.1 CETECT OCCURRENCE OF SECTOR SUITE FAILURE  A1.6.4.2 CBSERVE SECTOR SUITE DATA BASE RESTORATION COMPLETION  MESSAGE  A1.6.4.3 FORWARD NOTICE OF EQUIPMENT STATUS.  A1.6.4.4 RECEIVE STATUS OF SECTOR SUITE FAILURE FROM CONTROLLER/ SUPERVISOR  A1.6.5.1 DETECT OCCURRENCE OF ACCC FAILURE  A1.6.5.2 REVERT TO ACCC BACKUP PROCEDURES (TBD)  A1.6.5.3 REVERT TO ACCC EMERGENCY MODE PROCEDURES  A1.6.5.4 VERIFY COMPUTER ACTION DURING TRANSITION STAGES  A1.6.5.5 REVERT TO ACCC EMERGENCY MODE PROCEDURES  A1.6.5.6 RECEIVE CONFIRMATION OF COMPUTER ACTION DURING TRANSITION STAGES  A1.6.5.7 DETECT COMMUNICATION FAILURE  A1.6.7.8 FORWARD SUBSTITUTE ROUTING  A1.6.7.9 FORWARD ALTERNATE COMMUNICATION PATH  A1.6.7.1 RECEIVE COMPUNICATION FAILURE  A1.6.7.2 FORWARD ALTERNATE COMMUNICATION PATH  A1.6.7.3 RECEIVE NEW FREQUENCY ASSIGNMENT  A1.6.7.5 PORWARD ALTERNATE COMMUNICATION PATH  A1.6.7.6 RECEIVE NEW FREQUENCY ASSIGNMENT TO ANOTHER  CONTROLLER/ SUPERVISOR/ PILLOT  A1.6.7.6 RECEIVE NEW FREQUENCY ASSIGNMENT TO ANOTHER  A1.6.7.8 RECEIVE NEW FREQUENCY ASSIGNMENT TO ANOTHER  A1.6.7.9 RECEIVE NEW FREQUENCY ASSIGNMENT TO AN	CI	

Task Number	Critical Task Cognitive Task Statement	Attributes						
		Coding	nt Detectr 1 Scanning ing cognition go rm Memory rm Memory Reasoning ssoning 121ng					
A1.6.8.2  A1.6.8.3  A1.6.8.4  A1.6.9.5  A1.6.9.8  A1.6.9.9  A1.6.9.10  A1.6.10.1  A1.6.10.2  A1.6.10.3  A1.6.10.4  A1.6.11.1  A1.6.11.2  A1.6.12.1  A1.6.12.1  A1.6.12.3  A1.6.12.3  A1.6.12.3  A1.6.12.3  A1.6.12.3  A1.6.13.1  A1.6.13.3	EVALUATE LIGRKLOAD FACTORS NOT INCLUDED IN AUTOMATED INFORMATION REQUEST ASSISTANCE OR RELIEF REQUEST FLOH CONTROL BE IMPOSED INITIATE USE OF NON-RADAR SEPARATION STANDARDS REQUEST PILOT PUSITION REPORTS CBSERVE RETURN OF NORMAL RADAR ENVIRONMENT OBSERVE AIRCRAFT TRACK IN COAST MODE OBSERVE MESSAGE ON LOSS OF FLIGHT PLAN DATA BASE ENTER DISPLAY AMENDMENT MESSAGE ON CONSOLE ENTER FLIGHT PLAN ON CONSOLE DETECT UNRELIABLE VSCS COMMUNICATION QUERY WHETHER OTHERS ARE RECEIVING AN AIRCRAFT'S TRANSMISSIONS ISSUE ALTERNATE COMMUNICATION FOR AIR/ GROUND TRANSMISSION RECEIVE NOTICE TO TAKE OVER AIRSPACE RECEIVE NOTICE TO RELEASE AIRSPACE RECEIVE NOTICE TO RELEASE AIRSPACE RECEIVE NOTICE THAT ADJACENT FACILITY IS INOPERATIVE	Cicc	F D D I S					

## PERFORMANCE REQUIREMENTS

The critical controller tasks identified in the Task Information Requirements require expeditious and accurate performance for effective control of aircraft. Particularly important performance characteristics for these tasks are identified in this section. An entry in the accompanying Task Performance Criteria table for a task indicates a performance criterion that is considered important to effective task accomplishment.

Different performance criteria apply to different task types. Refer to Section 3.4.3 (Table 3.4-2) of Volume I for the definitions and ATC examples of each performance criterion. The criteria that can apply to each task type are as follows:

Associated With ENTRY (E) Tasks

Accuracy of Entry Implementation Time

Associated With RECEIPT (R) Tasks

Accuracy of Receipt Recognition Time

Associated With ANALYTICAL (A) Tasks

Planning Time
Accuracy of Time Estimates
Accuracy of Spatial Estimates
Accuracy of Probability Estimates
Appropriateness of Action
Appropriateness of Timing

Associated With VERBAL COORDINATION (VC) Tasks

Implementation Time Accuracy of Communication

Accuracy of verbal communications is the predominant performance criterion for these critical tasks. Accuracy of information entry and receipt via workstation displays, along with recognition time for system information, also are frequently associated with these tasks. For analytical tasks, the predominant performance criteria are the accuracies of estimates of spatial matters, situation probabilities, and of time. The frequency of performance criteria association with the 168 critical tasks is as follows:

	29 Tasks 1 Tasks
Accuracy of Receipt	45 Tasks
Recognition Time	37 Tasks

Planning Time Accuracy of Time Estimates Accuracy of Spatial Estimates Accuracy of Probability Estimates Appropriateness of Action Appropriateness of Timing	11 Tasks 27 Tasks 38 Tasks 33 Tasks 15 Tasks 14 Tasks	
Implementation Time Accuracy of Communication	8 Tasks 76 Tasks	

Task Number	Task Statement		<del></del>		Criteria		
		Entry Accuracy Implemento Time		Receipt Accuracy Recognition Time	Planning Time Time Est Accurcy Space Est Accrcy Prob Est Accurcy Action Appropriss Timing Appropriss	Implemento Time Commun Accoracy	
A1.1.1.1 A1.1.1.2 A1.1.1.4 A1.1.1.7 A1.1.1.12 A1.1.1.15 A1.1.1.15 A1.1.1.17 A1.1.4.2 A1.1.4.3 A1.1.4.4 A1.2.1.1 A1.2.1.2 A1.2.1.5 A1.2.1.7	REVIEW FLIGHT DATA DISPLAY FOR PRESENT AND/ OR FUTURE AIRCRAFT SEPARATION  REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF AIRCRAFT SEPARATION STANDARDS  PROJECT MENTALLY AN AIRCRAFT'S FUTURE POSITION/ALTITUDE/PATH  DETERMINE WHETHER AIRCRAFT MAY BE SEPARATED BY LESS THAN FRESCRIBED MINIMA  REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF AIRSPACE SEPARATION STANDARDS  REVIEW DISPLAYS FOR POTENTIAL VIOLATION OF FLOW RESTRICTIONS  DETERMINE WHETHER AIRSPACE SEPARATION STANDARDS MAY BE VIOLATED  INITIATE TRACK MANUALLY  OBSERVE AUTOMATIC TRACK START  RECEIVE DEPARTURE/ EN ROUTE TIME NOTICE  DETERMINE VALIDITY OF POTENTIAL AIRCRAFT CONFLICT NOTICE OR INDICATION  RECEIVE CONTROLLER NOTICE OF POTENTIAL AIRCRAFT CONFLICT IN SECTOR  INFORM CONTROLLER NOTICE OF POTENTIAL AIRCRAFT CONFLICT IN SECTOR  CHOOSE CONFLICT RESOLUTION OPTION  REVIEW POTENTIAL CONFLICT SITUATION FOR RESOLUTION	cotry Acc		Receipt A Receip	Planning   Planning	Implement Commun Ac	
A1.2.1.8  A1.2.1.9  A1.2.2.1  A1.2.2.3  A1.2.2.5  A1.2.2.6  A1.2.2.7  A1.2.3.1  A1.2.3.2  A1.2.3.6  A1.2.3.7	DETERMINE APPROPRIATE ACTION TO RESOLVE AIRCRAFT CONFLICT SITUATION  PERCEIVE POTENTIAL AIRCRAFT CONFLICT SITUATION  DETECT MSAW INDICATION OR ALARM  RECEIVE CONTROLLER NOTICE OF POTENTIAL MSAW IN SECTOR  PERCEIVE POTENTIAL LOW ALTITUDE SITUATION  DETERMINE VALIDITY OF MSAW NOTICE OR INDICATION  DETERMINE APPROPRIATE ACTION TO RESOLVE LOW ALTITUDE SITUATION  INFORM CONTROLLER OF POTENTIAL AIRSPACE CONFLICT IN HIS SECTOR  RECEIVE CONTROLLER NOTICE OF POTENTIAL AIRSPACE CONFLICT IN SECTOR  DETERMINE VALIDITY OF AIRSPACE CONFLICT NOTICE OR INDICATION  PERCEIVE POTENTIAL AIRSPACE CONFLICT SITUATION			R	T S P T S P T S P T S P T S P	A	

Fask Number	Task Statement			iteria	
		Entry Accuracy Implemento Time	Receir: Accuracy Recegi tion line	Planning Tine Time Est Accurcy Space Est Accrcy Prob Est Accurcy Action Appropriss Iming Appropriss	Implementn Time Cormun Accuracy
A1.2.3.8	DETERMINE APPROPRIATE ACTION TO RESOLVE AIRSPACE CONFLICT SITUATION			PT	
41.2.4.1	OBSERVE DISPLAY FOR FIXED OBSTRUCTIONS THAT MAY INTERFERE WITH AIRCRAFT FLIGHT			S	
41.2.4.2	EVALUATE CONFLICT RESCLUTION ADVISORY APPROPRIATENESS FOR PILOT/ ROUTE/ ALTITUDE/ WEATHER		R	TISIP	
д1.2.4.3	FORMULATE ADVISORY/ SAFETY ALERT CONTENT			AIT	
A1.2.4.4	DETECT AIRCRAFT MANEUVER IN RESPONSE TO ADVISORY/ ALERT		R		
A1.2.4.5	ISSUE TRAFFIC ADVISORY/ SAFETY ALERT IN REGARD TO TRAFFIC PROXIMITY				IAI
41.2.4.7	ISSUE ADVISORY IN REGARD TO A NON-CONTROLLED OBJECT				IA
41.2.4.12	ISSUE SAFETY ALERT IN REGARD TO MINIMUM ALTITUDE				1 A
41.2.4.13	OBSERVE DISPLAY FOR NON-CONTROLLED AIRBORNE OBJECTS THAT MAY INTERFERE WITH AIRCRAFT FLIGHT		R	SP	
41.2.4.14	DETERMINE NEED FOR ADVISORY/ SAFETY ALERT/ CLEARANCE			PTSP	
A1.2.5.1	DETERMINE VALIDITY/ APPROPRIATENESS OF DISPLAY OF AN ALERT/ RESOLUTION ADVISORY		A	TSP	
A1.3.1.8	RECEIVE SUPERVISOR MOTICE TO HOLD, REROUTE TRAFFIC CLEAR OF CONTINGENCY		A		
A1.3.1.15	DETERMINE VALIDITY OF FLOW RESTRICTION VIOLATION INDICATION			TSP	
41.3.2.6	DETECT LATERAL/ ALTITUDE NONCONFORMANCE INDICATION				
A1.3.2.11	EVALUATE LATERAL NONCONFORMANCE INDICATION FOR ACTION NEEDED			SP	
41.3.2.12	EVALUATE ALTITUDE NONCONFOR ANCE INDICATION FOR ACTION NEEDED			SP	
A1.3.4.2	PROJECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY APPROACH FLOW TO AIRPORT OR SECTOR			TSP	
41.3.4.5	PROJECT MENTALLY THE RANGE/ BEARING BETWEEN AIRCRAFT		R		
41.3.4.6	PROJECT MENTALLY THE ARRIVAL FLOW FOR AIRCRAFT LANDING IN OR NEAR THIS SECTOR			TSP	
A1.3.5.1	VALIDATE MODE C ALTITUDE				
41.3.5.3	RECEIVE NOTICE OF MISSED APPROACH		A		A
A1.3.5.4	PROJECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY DEPARTURE FLOW			TIS P	
A1.4.1.6	RECEIVE CLEARANCE APPROVAL/ CLEARANCE RESTRICTIONS FROM ANOTHER CONTROLLER		,		A
A1.4.1.11	DETERMINE APPROPRIATE MENTAL OR AUTOMATED PLAN FOR AIRCRAFT CLEARANCE			TSPAI	
A1.4.1.14	DETERMINE PRIORITY OF CONTROL ACTIONS			P P	
A1.4.1.15	PERCEIVE NEED FOR AMENDED CLEARANCE		Ri	TSP	
A1.4.1.16	FORMULATE CONTROLLER PLAN OF ACTION FOR CLEARANCE GENERATION				

™ask Number	Task Statement		Crite	erio	
		Entry Accuracy Implemento Time	Receipt Accuracy Recognition Time	Planning Time Est Accurcy Space Est Accurcy Prob Est Accurcy Prob Est Accurcy Action Approprise Timing Approprise	Implementn Time Commun Accuracy
A1.4.2.1 A1.4.2.5 A1.4.2.6 A1.4.2.6 A1.4.2.8 A1.4.2.10 A1.4.2.11 A1.4.2.12 A1.4.2.14 A1.4.3.1 A1.4.5.1 A1.4.5.3 A1.4.5.7 A1.4.5.3 A1.4.6.6 A1.4.6.7 A1.4.6.8 A1.4.6.7 A1.4.6.8 A1.4.7.1 A1.4.7.2 A1.4.7.3 A1.4.7.5 A1.4.7.5 A1.4.7.6	DECLARE EMERGENCY AND INVOKE CONTINGENCY PLAN  RECEIVE NOTICE OF PILOT OR AIRCRAFT HAVING A PROBLEM (E.G., OVERDUE, LOSS OF RADIO CONTACT)  ISSUE INSTRUCTIONS TO PILOT (NOPDO) FUR IDENTIFICATION TURN/ TRANSPONDER RESPONSE  DETECT A PILOT OR AIRCRAFT PROBLEM (E.G., HYPOXIA, EXCEPTION BEACON CODE)  FORWARD CONTINGENCY INFORMATION TO SUPERVISOR/ ANOTHER CONTROLLER  INFORM DESIGNATED PERSONNEL OF AIRCRAFT HAVING FLIGHT PROBLEMS  CONDUCT SEARCH FOR AIRCRAFT MITHOUT RADIO CONTACT  CBSERVE AIRCRAFT TURN/ TRANSPONDER RESPONSE FOLLOWING IDENTIFICATION REQUEST  CONDUCT RADIO/ RADAR SEARCH FOR OVERDUE AIRCRAFT RECEIVE SUPERVISOR NOTICE OF EMERGENCY DECLARED AND CONTINGENCY PLAN INVOKED  RECEIVE SUPERVISOR NOTICE OF EMERGENCY DELCARED AND CONTINGENCY PLAN INVOKED  RECEIVE PILOT NOTICE OF EMERGENCY DECLARED PERCEIVE PRESENCE OF SPECIAL OPERATION  RECEIVE PILOT NOTICE OF EMERGENCY DECLARED  PERCEIVE PRESENCE OF SPECIAL OPERATION  RECEIVE PLIOT'S POSITION REPORT  RECEIVE PLIOT'S POSITION REPORT  RECEIVE CONTROL ER ADVICE OF UNABLE FLIGHT PLAN AMENDMENT  RECEIVE HANDOFF REQUEST  OFNY HANDOFF  ACCEPT AUTOMATIC HANDOFF  DETERMINE THAT AIRCRAFT IS ENTERING SECTOR  DETERMINE THAT AIRCRAFT IS ENTERING SECTOR  DETERMINE RESPONSE TO HANDOFF REQUEST  RECEIVE CONTROL OF AIRCRAFT  REQUEST TRANSFER OF CONTROL  INITIATE HANDOFF FUNCTION  OBSERVE AUTOMATIC INITIATION OF HANDOFF  PETRACI HANDOFF ACCEPTANCE  DISCUSS TRANSFER OF CONTROL MITH OTHER CONTROLLER  INITIATE VERBAL HANDOFF	A A A A A A A	RI RI A A A A A A A A A A A A A A A A A	F S A A A	A   A   A   A   A   A   A   A   A   A

Task Number	Task Statement	Criterio							
		Entry Accuracy Implements Time	Receipt Accuracy Recognition Time	Planning Tine Time Est Accurcy Space Est Accurcy Prob Est Accurcy Action Appropriss Timing Appropriss	Implementn Time Commun Accuracy				
A1.4.7.7 A1.4.7.8 A1.4.7.12 A1.4.7.13 A1.4.7.14 A1.4.7.15 A1.4.8.1 A1.4.8.2 A1.4.8.5 A1.4.8.6 A1.4.8.7 A1.4.9.1 A1.4.9.2 A1.4.9.3 A1.4.9.5 A1.4.10.4 A1.4.10.5 A1.4.10.6 A1.4.10.7 A1.4.10.8 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7 A1.4.10.7	RECEIVE REQUEST FOR TRANSFER OF CONTROL  OCTERMINE THAT AIRCRAFT IS LEAVING SECTOR  IN ORM CONTROLLER OF ANY CONDITIONS AFFECTING TRANSFER OF CONTROL  INFORM CONTROLLER OF RELINQUISHED CONTROL OF AIRCRAFT  DETECT HANDOFF ALERY INDICATION  REDIRECT HANDOFF RECEIVE HANDOFF REJECTION  INITIATE POINTOUT  ORSERVE AUTOMATIC INITIATION OF POINTOUT TO ANOTHER CONTROLLER  RECEIVE REJECTION OF POINTOUT  DETECT INDICATION OF NO ACTION ON POINTOUT  OLSCUSS POINTOUT WITH OTHER CONTROLLER  RECEIVE POINTOUT  DETERMINE RESPONSE TO POINTOUT  DETERMINE RESPONSE TO POINTOUT  APPROVE CLEARANCE REQUEST  FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS  ISSUE CLEARANCE ANG INSTRUCTIONS TO PILOT  ISSUE CLEARANCE THROUGH ATCITY FSS FOR RELAY TO PILOT  VERIFY AIRCRAFT COMPLIANCE WITH CLEARANCE  QUERY PILOT REGARDING CONFORMANCE WITH CLEARANCE  RECEIVE INITIAL RADIO CONTACT FROM PILOT  VERIFY AIRCRAFT ALTITUDE  CONDUCT RADAR IDENTIFICATION PROCEDURES  OBSERVE DISPLAY OF WEATHER LINEY INTENSITY, BASE/ HEIGHT/ MOVEMENT  DETECT ARM ALERT  RECEIVE WEATHER BRIEFING FROM METEOROLOGIST  DETERMINE MEATHER IMPACT ON ROUTES/ FLOM  JETERMINE MEATHER PROCESORY/ UPDATE TO PILOT/ ANOTHER  ISSUE WEATHER/ ADVISORY/ UPDATE TO PILOT/ ANOTHER  ISSUE WE	A, I, A,	A	T S A	A A A A A A A A A A A A A A A A A A A				

Task Number	Task Statement		<del></del>	eria	
		Entry Accuracy Implementn Time	Receipt Accuracy Pecognition Time	Planning Time Time Est Accurcy Space Est Accrcy Prob Est Accrcy Action Appropriss Timing Appropriss	Implementn Tine Commun Accuracy
A1.5, 1, 12	RECEIVE WEATHER ADVISORY FROM ANOTHER CONTROLLER/ SUPERVISOR/ METEOROLGGIST				A
41.5, 1.15	RECEIVE NEW ROUTING FOR WEATHER AVOIDANCE FROM SUPERVISOR/ TMC				A
41.5.1.21	FORWARD URGENT PIREP TO OTHER CONTROLLER	<b> </b>			
A1.5.2.3	DETERMINE WHETHER USABLE FLIGHT LEVEL HAS CHANGED		R		
41.5.2.4	DETERMINE WHETHER RUNWAY CONDITIONS HAVE CHANGED		R	P 1	
41.5.2.5	DETERMINE WHETHER CONTROL ZONE IS IFR/ VFR			SPT	
A1.6.1.1	BRIEF RELIEVING CONTROLLER				A
41.6,1.3	VERIFY COMPLETENESS OF RELIEF BRIEFING RECEIPT				A
A1.6.2.2	REVIEW CURRENT AND PROJECTED TRAFFIC STATUS/ WEATHER	l i l		PTS	
41.6.2.10	DETERMINE IF READY TO ACCEPT CONTROL RESPONSIBILITY			A	
A1.5.3.1	DETECT NON-ACCEPTANCE OF INPUT DATA				
A1.6.4.1	DETECT OCCURRENCE OF SECTOR SUITE FAILURE				
A1.6.4.2	CBSERVE SECTOR SUITE DATA BASE RESTORATION COMPLETION MESSAGE				
A1.6.4.3	FORWARD NOTICE OF EQUIPMENT STATUS	A			A
A1.6.4.4	RECEIVE STATUS OF SECTOR SUITE FAILURE FROM CONTROLLER/ SUPERVISOR				Α
41.6.4.5	REQUEST SPECIFIED DISPLAY DATA BE PRESENTED ON AND CONTROLLED AT A SPECIFIC COMMON CONSOLE				
A1.6.5.1	DETECT OCCURRENCE OF ACCC FAILURE				
41.6.5.2	REVERT TO ACCC BACKUP PROCEDURES (TBD)			A	
A1.6.5 3	REVERT TO ACCC EMERGENCY MODE PROCEDURES (186)				
41.6.5.4	VERIFY COMPUTER ACTION DURING TRANSITION STAGES				A
A1.6.5 1	REVERT TO ACCC REDUCED CAPABILITY MODE PROCEDURES (TBD)				
A1.6.5.6	RECEIVE CONFIRMATION OF COMPUTER ACTION DURING TRANSITION STAGES				A
A1.5.5.8	FORWARD SUBSTITUTE ROUTING	A			A
A1.5.7.1	CETECT COMMUNICATION FAILURE				A
A1.6.7.2	FORWARD ALTERNATE COMMUNICATION PATH	A			A
A1.6.7.3	RECEIVE NEW FREQUENCY ASSIGNMENT		R		
A1.6.7.5	FORMARD NEW FREQUENCY ASSIGNMENT TO ANOTHER CONFROLLER/ SUPERVISOR/ PILOT	A			A
A1.6.7.6	RECEIVE NOTICE OF ALTERNATE COMMUNICATION PATH				
A1.6.8.1	DETERMINE IMPENDING CONTROLLER OVERLOAD			TSP	
A1.6.8.2	EVALUATE WORKLOAD FACTORS NOT INCLUDED IN AUTOMATED INFORMATION			s	
A1.6.8.3	REQUEST ASSISTANCE OR RELIEF	A			A

Task Number	Task Statement				Crit	eria				
		Estry Acturacy Textendento Time		Receipt Accumacy Recognition lime		Planning Time Time Est Accurcy	Space Est Accrey Prob Est Accurcy Action Approcuss	Fiming Appropriss	Implemento Tame Commun Accuracy	
A1.6.8.4 A1.6.9.5 A1.6.9.8 A1.6.9.9 A1.6.9.10 A1.6.10.1 A1.6.10.2 A1.6.10.3 A1.6.10.4 A1.6.11.1 A1.6.11.2 A1.6.12.1 A1.6.12.1 A1.6.12.3 A1.6.12.4 A1.6.12.5 A1.6.13.1 A1.6.13.3	REQUEST FLOW CONTROL BE IMPOSED INITIATE USE OF NON-RADAR SEPARATION STANDARDS REQUEST PILOT PUSITION REPORTS OBSERVE RETURN OF NORMAL RADAR ENVIRONMENT OBSERVE AIRCRAFT TRACK IN COAST MODE OBSERVE MESSAGE ON LUSS OF FLIGHT PLAN DATA BASE DETECT FAILURE TO UPDATE FLIGHT PLAN DATA BASE ENTER DISPLAY AMENDMENT MESSAGE ON CONSOLE ENTER FLIGHT PLAN ON CONSOLE DETECT UNRELIABLE VSCS COMMUNICATION QUERY WHETHER OTHERS ARE RECEIVING AN AIRCRAFT'S TRANSMISSIONS ISSUE ALTERNATE COMMUNICATION FOR AIR/ GROUND TRANSMISSION RECEIVE NOTICE TO TAKE OVER AIRSPACE RECEIVE NOTICE TO RELEASE AIRSPACE RECEIVE NOTICE TO RELEASE AIRSPACE RECEIVE NOTICE THAT ADJACENT FACILITY IS OPERATIVE RECEIVE NOTICE THAT ADJACENT FACILITY IS INOPERATIVE RECEIVE NOTICE OF RADAR SENSOR STATUS PERCEIVE TRACKING OR TRANSPONDER FAILURE	A. A								

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### APPENDIX E

#### TASK ELEMENT STATEMENTS

The table presented in this appendix is actually a composite of sub-tables, each of which is devoted to the decomposition of a single controller task. Each sub-table contains an identifying Task Number, Task Statement (from Appendix B), Task Type (from Appendix D), Coordination Media (Appendix B), Task Frequency and Criticality (from Appendix D), and four columns of information:

- 1. Element Number
- 2. Task Element Statement
- 3. Object(s)
- 4. Number of Objects

Element Number is an expansion of the Task Number to reflect a logical ordering or likely sequence of the element steps. The element number is unique, although the contents of a given element may be found in more than one task. O (for "Or ), A (for "And"), or A/O (for "And/Or") between elements indicates the end of a sequence of elements comprising alternate modes of task completion. This convention is needed in particular to denote where two entirely different processes may be employed, as in communication tasks which may be performed either via ATC Mail or by voice over the Voice Switching and Control System (VSCS).

Task Element Statement is presented in the structured form:

Verb – (modifier) – Object – (modifier) – (\*descriptive information\*)

Verb and Object portions are always present, the other portions being used as needed. Nomenclature for data objects follows the User Interface Language of Appendix C where possible. ACCC data objects are emphasized by underlines preceding and between words of the object name. An asterisk (\*) preceding the Task Element verb indicates that the particular element may not always be performed.

Object(s) is a summation of the specific User Interface Language (Appendix C) data objects cited in the Task Element Statement (NOTE: the User Interface Language should be referred to for specific data object details).

Number of Objects projects how many instances or representations of each UIL data object a controller generally would deal with in performing the Task Element. Again, a generalized facility and time scenario is assumed. The numbers represent normal situations rather than worst-case scenarios or system limits.

The quantities of data objects assumed in certain specific situations frequently encountered in the Task Elements are as follows:

	Full Data Blocks in the Approach Control sector	15
	Full Data Blocks in the En Route sector (number of controlled aircraft)	27
I	Flight Data Entries in Flight Data Display	27
	Advisories in Traffic Management Advisory List	5
	Sectors bounding sector airspace	5
	Obstructions on Situation Display geographic map	3
	Weather Descriptors on Situation Display	2

For data objects other than those listed here, no general assumption is made. Quantity of objects is assigned on a case-by-case basis to represent a "normal" situation.

NOTE: Due to the extensive revision of the data in this Appendix, black lines (side bars) in the margins to indicate substantive changes (see Foreword) from the original volume have not been used.

	Task Eleme	ent Report	
TASK NUMBER / ELEMENT NUMBE		OBJECTS	NO. OF OBJECTS
1,1,1,1	REVIEW FLIGHT DATA DISPLAY FOR PRESENT AND/ OR FUTURI	E AIRCRAFT SEPARATION	
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: HI CRITICALITY: EXT	
11.1.1.1	ACCUIRE Flight_Data_Entry and _Time on _Flight_Data_Display for information pertaining to aircraft separation	Flight_Data_Entry Time Flight_Data_Display	27 1 1
31.1,1,1.2	SYNIHESIZE aircraft, position, route, speed, altitude, traffic management/ metering and time information into a mental picuture of aircraft separation		
31.1.1.1.3	RECOGNIZE direraft paths warranting further close monitoring and evaluation		
1,1,1,2	REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF	AIRCRAFT SEPARATION STANDARDS	
	TASK TYPE: R/A CCCRC MEDIA:	FREQUENCY: HI CRITICALITY: EXT	
A1.1.1.2. <b>1</b>	ACQUIRE Position_Symbol, _Full_Data_Block, and _Background_Descriptor on _Situation_Display for patential violation_of separation_standards	Position_Symbol Full_Data_Bleck Background Descriptor Situntion_Display	1 1 1 1
1.1.2.2	SYNTHESIZE altitude, speed, time, range and aircraft data into a mental traffic picture with regard to potential violation of aircraft separation standards		
41.1.1.2.3	RECOGNIZE potential violation of aircraft separation standards		
A1, 1, 1, 3	REQUEST CONTINUOUS RANGE READOUT	······································	
	TASK TYPE: E/R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1.1.1.3.1	INITIATE _Continuous_Range_Readout message for an aircraft	Continuous_Range_Readout	1
A1.1.1.3.2	EXECUTE _Continuous_Range_Readout message	Continuous_Range_Readout	1
41.1.1.3.3	DETECT _Continuous_Range_Readout message on _Situation_Display	Continuous Range_Readout Situation_Display	1 1
1,1.1.3,4	EXTRACT _Continuous_Range_Readout *mules* from _Situation_Display	Continuous_Range_Readout Situotion_Display	1 1
 A1.1.1.4	PROJECT MENTALLY AN AIRCRAFT'S FUTURE POSITION/ ALT		~~~~~~~~~~~~~
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: HI CRITICALITY: HI	
41.1.1.4.1	ACQUIRE Situation Display for Position Symbol, Full Data Block, Background Descriptor, and Weather Descripscriptor, and Weather Descriptor acts to project future position  A/O	Situation_Display Position_Symbol Fuil_Data_Block Background_Descriptor Weather_Descriptor Weather_Descriptor	1 1 1 1 1

		Task Elem				
TASK NUMBER /	TASK STATEMENTS / AND				NO. OF	
ELEMENT NUMBE	ER TASK ELEMENT STATE	EMENTS		OBJECTS	OBJECTS	
A1.1.1.4	PROJECT MENTALLY AN AIRCRAFT	PROJECT MENTALLY AN AIRCRAFT'S FUTURE POSITION/ ALTITUDE/ PATH				
	TASK TYPE: R/A (	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: HI (Continued)		
A1. 1. 1. 4. 2		ata_Entry and _Time on lay *aircraft flight		Flight_Oata_Entry Time Flight_Cata_Display	1 1 1	
A1.1.1.4.3	and altitude on sp	location, route, speed, pecified aircraft into of future position, path				
A1, 1, 1, 4, 4	or path of aircra regard to proximi obstructions, spec weather	ty to other aircraft, cial use airspace, and				
A1.1.1.5	REQUEST RANGE/ BEARING/ TIME	MESSAGE, WITH OPTIONS		*****		
	TASK TYPE: E/R/A	CUORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW		
A1.1,1.5.1	INITIATE _Fix/Tim information that assessment of fli			Fix/Time_Readout	1	
A1.1.1.5.2	EXECUTE _Fix/Time	:_Readout message		Fix/Time_Readout	1	
A1.1.1.5.3	U IN:TIATE Range/Bearing Readout message for information that may assist the assessment of flight situation		Ronge/Bearing_Readout		1	
A1.1.1.5.4	EXECUTE _Range/8:	earing_Readout message		Range/Bearing_Residout	1	
A1.1.1.5.5	message för infor	Bearing/Fix_Readout rmation that may assist f flight situation	Range/Bearing/Fix_Readout		1	
A1.1.1.5.6	EXECUTE _Range/Be massage	earing/Fix_Readout	Range/Bearing/Fix_Readout		1	
A1.1.1.5.7	DETECT fix/Time _Range/Beoring_Ri _Range/Beoring/Fi _Situation_Displo	eadout, or ix_Readout message on		Fix/Time_Readout Ronge/Bearing_Readout Range/Bearing/Fix_Readout Situation_Oisplay	1 1 1	
A1.1.1.5.8	information from	earing, and/ or time n_Situation_Display pe/ bearing/ fix readout		Situation_Display .	1	
A1.1.1.6	FORCE/ QUICK LOOK FULL DATA	BLOCK(S) TO EXAMINE TRA	ACK INFORMATION	ON AIRCRAFT		
	TASK TYPE: E/R/A	COORD MEDIA:	FREQUENCY: LC			
A1.1.1.6.1		Look message *to data blocks of another		Quick_Look	1	
A1.1.1.6.2	EXECUTE _Quick_L	.aak message		Quick_Look	٦	
A1.1.1.6.3		ta_Block *quick look* sp)ay from another sector	г	Full_Duta_Block Situaton_Display	27 1	
A1.1.1.6.4	INITIATE _Force_	Duta_Block message *to to block from adjacent		Force_Duta_Block	1	

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TASK NUMBER /	TASK STATEMENTS / DATA / AND ER TASK ELEMENT STATEMENTS	AN IFATA	NO. OF
ELEMENT NUMBE	R IASK ELEMENT STATEMENTS	08JECTS	08JECTS
A1.1.1.6	FORCE/ QUICK LOOK FULL DATA BLOCK(S) TO EXAMINE TRAC		
	TASK TYPE: E/R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED (Continued)	
A1.1.1.6.5	EXECUTE _Force_Data_Block message	Force_Data_Block	1
A1.1.1.6.6	DETECT _Full_Data_Block *force data block* on own _Situation_Display from another sector	Full_Data_Block Situation_Display	1
A1.1.1.6.7	EXTRACT track information from _full_Data_Block *quick look or force data_block* on _Situation_Diplay	Ful Data_Block Situation_Diplay	1
A1.1.1.7	DETERMINE WHETHER AIRCRAFT MAY BE SEPARATED BY LESS	THAN PRESCRIBED MINIMA	
	TASK TYPE: A COORD MED!A:	FREQUENCY: HI CRITICALITY: EXT	
A1.1.1.7.1	EVALUATE current and projected mental traffic picture to determine potential situations of less than standard separation using time, position, aircroft, and speed information		
A1.1.1.7.2	DECIDE whether directft separation is or will be less than minimum		
A1.1.1.8	SFLECT FDE SORTING PRIORITY SCHEME		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1.1.1.8.1	INITIATE _Select_FDE_Sort_Technique message _*to order flight data entries on flight data display*	Select_FDE_Sort_Technique	1
A1.1.1.8.2	EXECUTE _Select_FDE_Sort_Technique message	Select_FDE_Sort_Technique	1
A1.1.1.8.3	DETECT posting of _Flight_Data_Entry in desired order on _Flight_Data_Display	Flight_Data_Display	27 1
A1.1.1.3	OBSERVE TRACK VELOCITY/ DISTANCE VECTOR TO PROJECT	AIRCRAFT MOVEMENT	- <del>-</del>
	TASK TYPE: E/R/A COORD MEDIA:	FREQUENCY: HI CRITICALITY: MED	
A1.1.1.9.1	INITIATE Request Track Velocity Vector message for displayed aircraft		
A1.1.1.9.2	EXECUTE _Request_Track_Velocity_Vector message	Request_Track_Velocity_Vector	1
A1.1.1.9.3	O INITIATE _Request_Track_Distance_Vector message for displayed aircraft	Request_Track_Distance_Vector	1
Λ1,1,1,9.4	EXECUTE _Request_Track_Distance_Vector message	Request_Track_Distance_Vector	1
A1.1.1.9.5	DETECT _Track_Velocity_Vector or _Track_Distance_Vector and _Vector_Type_Indicator from _Situation_Display *resu)ts of track _Velocity/ distance vector message*	<pre>Irack_Velocity_Vector Track_Distance_Vector Vector_Type_Indicator Situation_Display</pre>	27 27 1 1
A1.1.1.3.6	EXTRACT track velocity or distance information on an aircraft from _Track_Velocity_Vector or _Track_Distance_Vector on _Situation_Display	Track_Velocity_Vector Track_Distance_Vector Situation_Display	1 1 1

	Task Eleme	ent Report					
TASK NUMBER .	TASK STATEMENTS / DATA / AND PER TASK ELEMENT STATEMENTS	OBJECTS	NO. OF OBJECTS				
	READ OUT VERTICAL VELOCITY TO ASSESS POTENTIAL CONFL						
A1.1.1.10							
	TASK TYPE: E/R COORD MEDIA:						
41.1,1.10.1	INITIATE _vertical_Velocity_Reodout message for desired aircraft	Vertical_Velocity_Readout	1				
41.1.1.10.2	EXECUTE _Vertical_Velocity_Readout mes.age	Vertical_Velocity_Readout	1				
A1.1.1.70.3	EXTRACT rate of climb or descent from _Vertical_velocity_Readout on _Situation_Display	Situation_Display	1				
A1.1.1.11	SUPPRESS CONTINUOUS RANGE REACOUT						
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW					
A1.1.1.11.1	INITIATE _Continuous_Range_Readout message to suppress continuous range readout for desired aircraft	Continuous_Range_Readout	1				
A7.1.7.11.2	EXECUTE _Continuous_Range_Readout message	Continuous_Range_Readout	1				
11,1,1,11,3	RECOCNIZE Continuous Range Readout no longer displayed for identified aircraft *results of continuous range readout suppression message*	Continuous_Range_Readout	1				
A1, 1, 1, 12	REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF AIRSPACE SEPARATION STANDARDS						
	TASK TYPE: R/A CCORD MECIA:	FREQUENCY: HI CRITICALITY: EXT					
A1.1.1.12.1	ACQUIRE _Position_Symbol, _Full_Dato_Block, _Weather_Descriptor, and _Background_Descriptor on _Situation_Display for information pertaining to potential airspace conflict	Position_Symbol Full_Data_Block Weather_Descriptor Background_Descriptor Situation_Display	30 27 1 1				
A1.1.1.12.2	SYNTHESIZE altitude, route, weather, special use airspace, and time information into a mental traffic picture wth regard to violation of airspace separation standards						
A1.1.1.12.3	RECOGNIZE potential violation of airspace separation standards or potential airspace conflict						
A1,1,1.13	REVIEW DISPLAYS FOR POTENTIAL VIOLATION OF FLOW RES	TRICTIONS					
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: HI CRITICALITY: EXT					
A1,1,1.13.1	ACQUIRE Position_Symbol and Full Data_Black on _Situation_Display for information pertaining to violation of flow restrictions	Positior Symbol Full_Datā_Block Situation_Display	30 27 1				
A1.1.1.13.2	A/O  ACGUIRE Flight Data Entry and Time on Flight Data Display for information pertaining to patential violation of flow restrictions	Flight_Data_Entry Time Flight_Data_Display	27 ! 1				

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TASK NUMBER /		TASK STATEMENT				NO. OF	
TASK NUMBER / ELEMENT NUMBER	٦ ٦	TASK ELEMENT S	STATEMENTS		OBJECTS	OBJECTS	
(1,1,1,13	REVIEW DISPL	VIEW DISPLAYS FOR POTENTIAL VIOLATION OF FLOW RESTRICTIONS					
	TASK T	YPE: R/A	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: EXT (Continued)	~~ <b>~~</b>	
A1,1,1,13.3	, 1	t for traffic	fic Management Advisory Lis management information 70		Traffic_Maragement_Advisory_List	1	
41,1,1,13.4		ACQUIRE Meter	ring_Advisory_List_Header _Advisory_List_Entry_on		Metering Advisory List Header Metering Advisory List Entry Metering Advisory List	1 1 1	
11.1.13.5		regard to flow position, alt:	ntal troffic picture with v viclations using itude, route, speed, time anagement/ metering rmation				
A1.1.1.13.6		RECOGNIZE pote restrictions	ential violation of flow				
λ1, 1, 1, 14	REVIEW SITU	JATION DISPLAY	FOR POTENTIAL VIOLATION OF	CONFORMANCE OR	RITERIA		
	TASK T	ΓΥΡΕ: R/A	COORD MEDIA:	FREQUENCY: 41	CRITICALITY: MED		
A1.1.1.14.1		ACQUIRE Posi _Geographic_M _Situation_Di potential_vio	tion Symbol, Data block.		Position_Symbol Nota_Block Geographic Map_Data Situation_Display	30 27 1 1	
A1,1,1,14.2		ACQUIRE _Flig _Flight_Data_	//O pht_Duto_Entry and _Time on Display for information o notential violation of criteria		Flight_Data_Entry Time Flight_Data_Display	27 1 1	
A1.1.1.14.5		speed, noncon time informat picture with	Ititude, route, aircraft, nformance indicator, and tion into a mental traffic regard to potential conformance criteria				
A1.1.1.14.4			tential violations of eed, or route conformance				
A1.1.1.15	DETERMINE (	WHETHER AIRSPA	ACE SEPARATION STANDARDS MAY	BE VIOLATED			
	TASK 1	TYPE: A	COORD MEDIA:	FREQUENCY: H	I CRITICALITY: EXT		
A1.1.1.15.1		traffic picto for less than between an oi airspace	ntally projecting the ure if the potential exists a standard separation irraft and special use				
A1.1.1.16			RMANCE CRITERIA MAY BE VIOLA				
	TASK	TYPE: A	COORD MEDIA:	FREQUENCY: H	I CRITICALITY: MED		
A1.1.1.16.1		DECIDE by pro traffic pict for nonconfo	ojecting mentally the ure if the potential exists rmance of an aircraft				
A1.1.1.17			RESTRICTIONS MAY BE VIOLATED				
	TASK	TYPĘ: A	COORD MEDIA:	FREQUENCY: 1	II CRITICALITY: HI	••••	
A1.1.1.17.1		DECIDE by pr traffic pict	ojecting mentally the cureif the potential exists es of nancompliance with flo				

	Tion original		ent Report			
TASK NUMBER / ELEMENT NUMBER			08JECTS			NO. OF OBJECTS
41,1.1.18 R	EQUEST DISPLAY OF CLEARE					
	TASK TYPE: E/R	COORD MEDIA:	FREQUENCY: LI	OM	CRITICALITY: LOW	
11,1,1,18,1	INITIATE _Requ	est_Route_Display message		Reque	st_Route_Display	1
A1.1.1.18.2	EXECUTE _Reque	st_Route_Display message		Reque	st_Route_Display	1
11, 1, 1, 18,3	DETECT _Reques _Situation_Dis	t_Route_Display message on play			st_Route_Display tion_Display	1
A1.1.1.18.4	EXTRACT _Planned_Route_Of_Single_Aircraf t from _Route_Display on Situation Display			Plann Route	ed_Route_Of_Single_Aircroft _Display	1 1
A1,1,2.1 0	BSERVE DISPLAY OF NEW/ O	CHANGED EQUIPMENT/ OPERATION	IAL STATUS			
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: L	OΜ	CRITICALITY: MED	
A1. 1.2.1.1		Status_Doto_Display for new pipment/ operational		Syste	m_Status_Data_Display	1
A1.1.2.1.2	DETECT_Update emphasi5* on	e_Indication			e_Indication m_Status_Data_Display	1 1
41.1.2.1.3	EXTRACT new or changed equipment/ System_Status_Data_Disploperational status_from _System_Status_Data_Display				m_Status_Oota_Disploy	1
A1,1.2.2 E	NTER SYSTEM STATUS DATA	CHANGE				
	TASK TYPE: E	COURD MEDIA:	FREQUENCY: L	.OW	CRITICALITY: MED	
A1,1.2.2.1	INITIALE Syst	tem_Status_Data_Change htry of a change in system			m_Status_Data_Change	1
A1.1.2.2.2	EXECUTE _Syst message	em_Siatus_Data_Change		Syste	em_Status_Data_Change	1
A1,1.2.2.3		ance of data entered by s_Data_Change message		Syste	em_Status_Data_Change	1
A1.1.2.3 F	RECEIVE NOTICE OF STATUS	OF ADJACENT/ BACKUP ACF AU	TOMATION EQUIP	MENT		
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: L	-0M	CRITICALITY: LOW	
A1,1.2.3.1	≒notice of ba restoration#	.1, Receiving ATC Mail ckup ACF interruption/	•			
A1.1.2.3.2	Communications interruption/	Receiving G/G *notice of ACF equipment restoration*				
		INTERRUPTION/ RESTORATION				******************
	TASK TYPE: R	COORD MEDIA:	FREQUENCY: I	LOW	CRITICALITY: MED	
A1.1.2.4.1	SEARCH system	displays for signs of uption/ restoration	**			
A1.1.2.4.2	DETECT partic display(s) C	ol/ complete loss of system				

			ent Report			
TASK NUMBER	TASK STATEMENT	TS / DATA			NO. 0F	
ELEMENT NUMB	ER TASK ELEMENT S	TASK STATEMENTS / DATA AND TASK ELEMENT STATEMENTS		OBJECTS		
		INTERRUPTION/ RESTORATION				
	TASK TYPE: R	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED (Continued)		
A1.1.2.4.3	DETECT failur Full Dota Bl or. and/ or _ Flight Data		Time Full Targ Flig		1 27 1 27	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Siti	uation_Display	1	
A1.1.2.4.4	controller in display(s)	er/ no response to put action on system /O				
A1.1.2.4.5		otion of system display(s)				
A1.1.2.4.6	Full_Data_Bl or, Flight D Situation_Di _Flight_Data_	Jisplay	Tar Fli Sit	e l_Data_Block get/Track_Descriptor ght_Data_Entry uation_Displey ght_Data_Display	1 27 27 27 1 1	
41,1.2.4.7		response to controller on system displays				
A1.1.2.5	RECEIVE NOTICE OF COMMUN					
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED		
A1.1.2.5.1	PERFORM TEM M	l.1, Receiving ATC Mail mmunications status*				
A1.1.2.5.2	PERFORM VSCS, Communication communication	Receiving G/G is *notice of is status*				
A1.1.2.6	REQUEST REPORT ON NAVAIO	) STATUS				
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: MED		
A1.1.2,6.1	PERFORM VSCS Air-To-Ground	Communicating Normally  *request and receive on NAVAID status*				
A1.1.2.6.2	PERFORM VSCS Communication from Flight S	. Initioting G/G ns *request NAVAID status Service Station*				
A1.1.2.6.3	PERFORM VSCS Cemmunication	, Receiving G/G ns *receive NAVAID status Gervice Station*				
A1.1.3.1		TIVE FLIGHT PLAN ON CLEARANG				
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW		
A1.1.3.1,1	SEARCH _Flig _Flight_Dato	nt_Duta_Entry on _Dīsplay for _Callsign or entification of aircraft	F1 F1 Ca	ight_Data_Entry ight_Data_Display llsign mputer_Identification	1 1 1	
A1.1.3.1.2	_Status_Îndi _Control_Inf and/ Beacon	lsign, Computer ID, cotor *proposed/ octive*, ormation Symbol *FDEN*, Code from	Co St Co	ullsign mputer_ID matural_Indicator motrol_Information_Symbol	1 1 1 1 1 1	
	_flight_Data Display	_Entry on Flight Data		eacon_Code .ignt_Data_Entry	1	

	·	Tosk Elem	ent Report		
TACK ALMOTO	TASK STATEMENTS				NO of
TASK NUMBER / ELEMENT NUMBE	R TASK ELEMENT STA	ATEMENTS		OBJECTS	NO. OF 08JECTS
A1.1,3.1	SEARCH DISPLAY FOR INACTIVE	FLIGHT PLAN ON CLEARANCE	REQUEST		
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW (Continued)	
A1.1.3.1.3	COMPARE _Callsig	an. Status Indicator.	Call	sign	1
	for agreement re clearance reques	formation_Symbol *FDEN* egunding proposed st	Cont	cus_Indicator crol_Information_Symbol	i
A1.1.3.2	REQUEST FLIGHT DATA READOU	T			
	TASK TYPE: E/R/A	COURD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
A1.1.3.2.1		st_Flight_Data_Readout itional (full) route an aircraft	Requ	uest_Flight_Oato_Readout	1
A1.1.3.2.2	EXECUTE _Reques: message	t_Flight_Data_Readout	Requ	uest_Flight_Data_Readout	1
A1.1.3.2.3	_Flight_Data_Re _Flight_Data_Di	ce of full flight plan in adout Area of sploy *results of data readout message*		ght_Data_Readout_Area ght_Data_Display	1
41 1.3.2.4	EXTRACT flight _flight_Ooto_Re _flight_Ooto_Di	plan information from adout_Area on sploy		ght_Data_Readout_Area ght_Dato_Disploy	1
A1.1.3.3	REQUEST FLIGHT DATA ENTRY	FORMAT CHANGE			
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
A1, 1, 3, 3, 1		t_Flight_Data_Entry_Forma ircraft, posting list, or	Sel	ect_flight_Octo_Entry_Formot	1
A1.1.3.3.2	EXECUTE _Select message	_Flight_Data_Entry_Format	Sel.	ect_Flight_Data_Entry_Format	1
A1.1.3.3.3		Data_Entry under r_Flight_Data_Area	Pos	ght_Dota_Entry ting_List ght_Data_Area	27 1 1
A1,1,4,1	ENTER DEPARTURE/ EN ROUTE	TIME MESSAGE	••••••		
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
A1.1.4.1.1		ture message *manually c time into flight data	Оер	arture	1
A1.1.4.1.2	EXECUTE _Depart	ture message	Dep	parture	1
A1.1.4.1.3	appropriate Fi of departure me	_Doparture_Time in light_Data_Entry		ual_Departure_Time ght_Doto_Entry	1
A1.1.4.1.4	O INITIATE _Progr	ress_Report message	Pro	ogress_Report	1
A1.1.4.1.5	EXECUTE _Progre	ess_Report message	Pro	ogress_Report	1
A1.1.4.1.6	_CTA_At_Posted	ous_Posted_Fix, _Fix, _Next_Posted_Fix, or osted_Fix_in_gircraft's	CTA Nex CTA	ne At_Previous_Posted_Fix A_At_Posted_Fix ct_Posted_Fix A_At_Next_Posted_Fix Ight_Duto_Entry	1 1 1 1

	Task Ele	ement Report	
TASK NUMBER / ELEMENT NUMBE	R TASK ELEMENT STATEMENTS	ORJECTS	NO. OF OBJECTS
\1.1.4.2	INITIATE TRACK MANUALLY		
	TASK TYPE: E/R COORD MEDIA:	FREQUENCY: LOW CRITICALITY: HI	
1,1,4,2,1	!N[T1ATE _Track message *start*	Track	1
A1.1.4.2.2	EXECUTE _Track message	Track	1
A1.1.4.2.3	DETECT _Track_Position_Symbol and _Full_Data_Block on the _Situation_Display *results of track start message*	Track Position_Symbol Full_Data_Block Situation_Display	1 1 1
A1.1.4.3	OBSERVE AUTOMATIC TRACK START		
	TASK TYPE: R COORD MEDIA:	FREQUENCY: MED CRITICALITY: HI	
A1.1.4.3.1	SCAN _Situation_Display for automatic track start		1
A1.1.4.3.2	DETECT _Full_Data_Block *correlated with target*	Full_Dato_Block	1
A1.1.4.4	RECEIVE DEPARTURE/ EN ROUTE TIME NOTICE		
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW CRITICALITY: HI	
A1.1.4.4.1	PERFORM VSCS, Receiving G/G Communications *notice of deporture/ e couts time from a controller, FSS, or ATCT*	?n	
A1.1.4.4.2	PERFORM TEM M.1, Receiving ATC Moil *notice of departure/ en route time*  ŭ		
A1.1.4.4.3	PERFORM VSCS, Communicating Normally Air-To-Ground *notice from pilot of departure time or progress report*		
A1.1.4.5	REQUEST FLIGHT PLAN EXTRAPOLATION FOR A TRACK		
	TASK TYPE: E. COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1.1.4.5.1	INITIATE _Flight_Plon_Extrapolation message	Flight_Plan_Extrapolation	1
A1.1.4.5.2	EXECUTE _Flight_Plan_Extrapolation message	Flight_Plon_Extrapolation	1
A1.1.4.5.3	DETECT appearance of _Flight_Pian_Extrapolation_Indicator in appropriate _Track_Position_Symbol, _Leader_Line, and/or_Full_Data_Block #flight_plan_extrapolation_message result*	Leader_Line	1 1 1
41,1,4,6			
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED	
A1.1.4.6.1		ck Position_Symbol	3Ø 27 1

		Task Elem			
TASK NUMBER /	TASK STATEMENTS / I AND TASK ELEMENT STATES	DATA			NO. OF
ELEMENT NUMBER	TASK ELEMENT STATE	MENTS		OBJECTS	OBJECTS
A1.1.4.6 (	DBSERVE EXTRAPOLATED FLIGHT P				
	TASK TYPE: R/A C	DORD MEDIA:	FREQUENCY: LO	CRITICALITY: MED (Continue	d)
41.1.4.6.2					r 1
	tor in _Track_Pusi Leader Line, and/	tion_Symbol. or Full Data Block		<pre>Flight_Plan_Extrupolation_Indicate Track_Position_Symbol Leader_Line</pre>	1
	Z Z			Full_Data_Block	1
A1,1.4,6.3	EXTRAC: _Flight_Pl	an_Extrapolation_Indic		Elight_Plan_Extrapolation_Indicate	
	ator from _Track_P Leader Line, and	osition_Symbol, _Full_Data_Block		Track_Position_Symbol Leader_Line	1
	·			Full_Data_Block	1
41.1.5.1	EVALUATE CONDITIONS FOR PROVI	DING FLIGHT FOLLOWING			
	TASK TYPE: R/A C		FREQUENCY: LO	W CRITICALITY: MED	
41.1.5.1,1	ACQUIRE Position	Symbol. Data Block.		Position Symbol	30
	and Weather Descr	iptor on the for information load and capability to		Data_Block	27
	_Situation_Display pertaining to work	load and capability to		Weather_Descriptor Situation_Display	2 1
	provide flight fol A/O	lowing		- '	
A1.1.5.1.2		rkload_Display *for ediction*		Sector_Workload_Display	1
A1.1.5.1.3	ACQUIRE _Flight_Do	ita_Entry and _Time on		Flight_Data_Entry	27
		ay fer information load and capability to lowing		Time Flight_Data_Display	1
A1.1.5.1.4	current and expect	sector workload, time,			
A1.1.5.1.5	ESTIMATE impact of following service predicted workload	based on current and			
A1.1.5.1.6	DECIDE feasibility following service	y of providing flight			
A1.1.5.2	RECEIVE REQUEST FOR FLIGHT FO	DLL.OWING		***************************************	
	TASK TYPE: R/VC	COORD MEBIA: V/M	FREQUENCY: LO	ON CRITICALITY, LOW	
A1.1.5.2.1	*flight following controller*	Receiving ATC Mail request from another			- 141
A1.1.5.2.2	controller or free	request from another			
A1.1.5.2.3	PERFORM VSCS. Co	mmunicating Normally eceive a request for from a pilot*			
A1.1.5.2.4	SEARCH _Full_Data _Situation_Displo handoff alert ind	y for presence of		Full_Data_Block Satuation_Display	27 1
A1.1.5.2.5	*another controll	on Situation Display er attempting to ft requesting flight		Handoff_Alert_Indicator Full_Cata_Block	1

ELERENT NAMER TASK ELERENT STATEMENTS GBACCTS UBJECT  AL.1.5.5.5 PENF FLIGHT FOLIOWING REQUEST  AL.1.5.5.1 TASK TYPE: E-YC COORD MEDIA: YCM FAEQUENCY: LOW CRITICALITY: LOW  AL.1.5.3.1 FERFORM TERL M.2. Sending ALC Most "early flight following service" to monther controller or flight Service Stations or Flight Service			Tosk Elem	ent Report			
1.1.5.3   CERM FLIGHT FQ.LOWING REQUEST   TACK TYPE: E/VC   COORD MCDIA: V/M   FREQUENCY: LOW   CRITICALITY: LOW	TASK NUMBER /	TASK STATEMENT AND	S / DATA				NO. Oi
TAX TYPE: LIVE COORD MEDIA: V/M FREQUENCY: LOW CRITICALITY: LOW  1.1.5.5.1 PERSONN TOR M. 2. Sensing AID Mol	ELEMENT NUMBER	TASK ELEMENT S			(	OBJECTS	OBJEC.
1.1.5.3.1   PERFORM TEM N.2. Sending ALC Moil "deaty Tight following Service"	1.1.5.3 DENY	FLIGHT FOLLOWING REC					~
PERFORM TERM 12, Sending ALC Most		TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: L	OM .	CRITICALITY: LOW	
Al.1.5.3.2 PERFORM YSCS, Initiating G/G Communications "eleval of flight following service to another controller or Flight Service Stations"  Al.1.5.3.5 PERFORM YSCS, Communicating Normally Air-Ta-Ground Magneting in Initiating Parenally Air-Ta-Ground Magneting Flight following  Al.1.5.4.1 INITIATE Discrete Code Request message Discrete Code Request  1 INITIATE Discrete Code Request message Discrete Code Request  1 Al.1.5.4.2 EXECUTE Discrete Code Request message Discrete Code Request  1 Al.1.5.4.3 PERFORM YSCS, Initiating Air-Ta-Ground Communications Massing transponder Deacon Coder  1 Al.1.5.4.4 DETECT appearance of Full Data Block on Situation Display Initiation Display Air-Ta-Ground Produce pilot of Conditions for Flight followings  Al.1.5.1 PERFORM YSCS, Communicating Normally Air-Ta-Ground Produce Display Initiation Display Display Initiation Display Initiation Display Display Display Display D		PERFORM TEM M. *deny flight f	.2, Sending ATC Mail				
A1.1.5.3.5 PESFORM VSCS. Communicating Normally A1r-10-Ground Podusing a prilot unable to provide flight following service*  A1.1.5.4 REQUEST/ ASSIGN BEACON CODE TO AIRCRAFT  TASK TYPE: E/R/VC COORD MEDIA: V FREQUENCY: LOA CRITICALITY: MED  A1.1.5.4.1 INITIATE Discrete_Code_Request message Discrete_Code_Request 1 A1.1.5.4.2 CXCOUTE_Discrete_Code_Request message Discrete_Code_Request 1 A1.1.5.4.3 PERFORM VSCS, Initiating Air-To-Ground Communications *assign transponder beacon code*  A1.1.5.4.4 DETECT appearance of Full_Data Black on Situation_Display 1 In_Torget_Fosition_Symbol Tangency Situation_Display 1 In_Torget_Fosition_Symbol Tanget_Position_Symbol Tang	.1.1.5,3.2	PERFORM VSCS, Communications following serv or Flight Serv	s *denial of flight vice to another controller vice Station*				
TASK TYPE: E/A/VC COORD MEDIA: V FREQUENCY: LOW CRITICALITY: MED  A1.1.5.4.1 INITIATE Discrete_Code_Request message	11.1.5.3.3	PERFORM VSCS. Air-To-Ground	Communicating Normally *advising a pilot unable ight following service*				
Al.1.5.4.1 INITIATE Discrete_Code_Request message for aircraft_desiring flight following  Al.1.5.4.2 EXECUTE_Discrete_Code_Request message Discrete_Code_Request 1  Al.1.5.4.3 PERFORM_VSCS, Initiating Air-To-Ground Communications "design transponder beacon code*  Al.1.5.4.4 DETECT appearance of _Full_Data_Black on	11.1.5.4 REQU	EST/ ASSIGN BEACON CO					
A1.1.5.4.2 EXECUTE Discrete_Code_Request message Discrete_Code_Request 1 A1.1.5.4.2 EXECUTE Discrete_Code_Request message Discrete_Code_Request 1 A1.1.5.4.5 PERFORM VSCS, Initiating Air-To-Ground Communications *assign transponder beacon code*  A1.1.5.4.4 DETECT appearance of _Full_Data_Black onFull_Data_Black		TASK TYPE: E/R/VC	COORD MEDIA: V	FREQUENCY: L	-011	CRITICALITY: MED	
Al.1.5.4.3 PERFORM VSCS. Communications *assign transponder beacon code*  Al.1.5.4.4 DETECT appearance of Full Data Block on Situation Display or Ident_Indicator Situation Display or Ident_Indicator Indicator Indicat	A1.1.5.4.1				Discr	ete_Code_Request	1
Communications ** **assign transponder beacon code**  Al.1.5.4.4 DETECT appearance of Full Data Block on Situation Display (*) 1	A1.1.5.4.2	EXECUTE _Disc	rete_Code_Request message		Discr	ete_Code_Request	1
Situation_Display or _ldent_Indicator	A1.1.5.4.3	Communications					
TASK TYPE: VC COORD MEDIA: V FREQUENCY: LOW CRITICALITY: MED  A1.1.5.5.1 PERFORM VSCS, Communicating Normally Air-To-Ground **odvise pilot of alternate instructions to enhance conditions for flight following*  A1.1.6.1 OFFSET A DATA BLOCK  TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: MED  A1.1.6.1.1 INITIATE Monually Offset Data Block Manually Offset Data Block message to relocate data block message  A1.1.6.1.2 EXECUTE Manually Offset Data Block Manually Offset Data Block message  A1.1.6.1.3 DETECT repositioned Data Block on the Situation Display Fresult of manually Situation Display Tresult of manually Situation Display 1  A1.1.6.2 UPDATE/ REVISE CONTROLLER NOTE  TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: LOW  A1.1.6.2.1 INITIATE Controller Note message Controller_Note 1	41.1.5.4.4	_Situation_Di	splay or _ldent_Indicator		Situd Ident	otion_Display t_Indicator	1
A1.1.5.5.1  PERFORM VSCS, Communicating Normally Air-To-Ground *dodyise pilot of alternate instructions to enhance conditions for flight following*  A1.1.6.1  OFFSET A DATA BLOCK  TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: MED  A1.1.6.1.1  INITIAYE _Manually_Offset_Data_Block	A1.1.5.5 INFO	DRM PILOT OF ALTERNAT	E INSTRUCTIONS NECESSARY FO	R FLIGHT FOLL	OWING SE	ERVICE	·
A1.1.5.5.1  PERFORM VSCS, Communicating Normally Air-To-Ground *dodyise pilot of alternate instructions to enhance conditions for flight following*  A1.1.6.1  OFFSET A DATA BLOCK  TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: MED  A1.1.6.1.1  INITIAYE _Manually_Offset_Data_Block		TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: 1	F0M	CRITICALITY: MED	
TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: MED  A1.1.6.1.1 INITIATE Manually_Offset_Data_Block message to relocate data block  A1.1.6.1.2 EXECUTE Manually_Offset_Data_Block message  A1.1.6.1.3 DETECT repositioned Data_Block on the Situation_Display *result of manually Situation_Display *result of manually offset_Data_Block not the Situation_Display *result of manually offset_Data_Block not the Situation_Display *result of manually offset_Data_Block not the Situation_Display not to manually not to manually offset data block message*  A1.1.6.2 UPDATE/ REVISE CONTROLLER NOTE  TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: LOW  A1.1.6.2.1 INITIATE Controller_Note message Controller_Note	A1.1.5.5.1	PERFORM VSCS. Air-To-Ground alternate ins	Communicating Normally *advise pilot of tructions to enhance				~
TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: MED  Al.1.6.1.1 INITIATE Manually_Offset_Data_Block message to relocate data block  Al.1.6.1.2 EXECUTE Manually_Offset_Data_Block message  Al.1.6.1.3 DETECT repositioned Data_Block on the Situation_Display "result of manually Situation_Display "result of manually Situation_Display "result of manually Situation_Display "Task Type: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: LOW  Al.1.6.2.1 INITIATE Controller_Note message Controller_Note 1	A1.1.6.1 OFFS	SET A DATA BLOCK				******	~
A1.1.6.1.1 INITIATE Manually Offset Data Block Manually Offset Data Block 1  A1.1.6.1.2 EXECUTE Manually Offset Data Block Manually Offset Data Block 1  A1.1.6.1.3 DETECT repositioned Data Block on the Situation Display Fresult of manually Situation Display Offset data block message*  A1.1.6.2 UPDATE/ REVISE CONTROLLER NOTE  TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: LOW  A1.1.6.2.1 INITIATE Controller Note message Controller Note 1  INITIATE Controller Note message Controller Note 1			COORD MEDIA:	FREQUENCY:	LOW	CKITICALITY: MED	
message  Al.1.6.1.3 DETECT repositioned Data Block on the Outa Block 1 Situation Display *result of manually Situation_Display 1 offset data block message*  Al.1.6.2 UPDATE/ REVISE CONTROLLER NOTE  TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: LOW  Al.1.6.2.1 INITIATE Controller_Note message Controller_Note 1	A1.1.6.1.1	INITIATE _Man	nually_Offset_Data_Block		<b>-</b>		1
Situation_Display #result of manually Situation_Display 1  Al.1.6.2 UPDATE/ REVISE CONTROLLER NOTE  TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: LOW  Al.1.6.2.1 INITIATE _Controller_Note message Controller_Note 1	A1.1.6.1.2		ally_Offset_Data_Block		Manuc	olly_Offset_Data_Block	1
A1.1.6.2 UPDATE/ REVISE CONTROLLER NOTE  TASK TYPE: E COORD MEDIA: FREQUENCY: LOW CRITICALITY: LOW  A1.1.6.2.1 INITIATE Controller Note message Controller Note 1	A1.1,6,1.3	_Situation_Di offset data b	.splay #result of manually block message*		Situ	ation_Display	1
A1.1.6.2.1 INITIATE _Controller_Note message	A1.1.6.2 UPD/						
- •		TASK TYPE: E	COORD MEDIA:	FREQUENCY:	LOM	CRITICALITY: LOW	
A1.1.6.2.2 EXECUTE _Controller_Note message	A1.1.6.2.1	INITIATE _Cor	itroller_Note message	,	Conti	roller_Note	1
	A1.1.6.2.2	EXECUTE _Conf	iroller_Note message		Cont	roller_Note	1

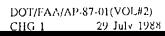
			ent Report		
TASK NUMBER /	TASK STATEMEN / AND ER TASK ELEMENT	NTS / DATA STATEMENTS		OBJECTS	NO. OF OBJECTS
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW (Continued)	
A1.1.6.2.3	DETECT Contr on the Contr	roller_Note message results roller_Notepad_Display	C	Controller_Note Controller_Notepad_Display	1
A1.1.6.3		Y AND FULL DATA BLOCK FROM A			
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
A1.1.6.3.1		op_Flight_Plan message		Drop_Flight_Plan	1
A1,1.6.3.2	EXECUTE _One	p_Flight_Plan message	(	Drop_Flight_Plan	1
A1.1.6.3.3	RECOGNIZE th Full Dota_B and the remo Flight Doto _Flight_Dota	e removal of appropriate lock from _Situation_Disploy val of appropriate _Entry from _Display	; ; ;	Full_Data_Block Situation_Display Flight_Data_Entry Flight_Data_Display	1 1 1
A1.1.6.4	DELETE FLIGHT DATA ENTR	Y AND FULL DATA BLOCK FRUM L	OCAL ACCC SYSTEM		
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LON	CRITICALITY: LOW	
A1.1.6.4.1		op_Flight_Plan_Internal		Drop_Flight_Plan_Internal	1
A1.1.6.4.2	EXECUTE _Dro message	p_Flight_Plan_Internal	I	Drop_Flight_Plan_Internal	1
A1.1.6.4.3	RECOGNIZE re from Situab Flight (laca _Flight_Dota	moval of _Full_Duta_Block ion_Displa, and removal of _Entry from _Display		Full_Data_Block Situation_Display Flight_Data_Entry Flight_Data_Display	1 1 1
A1.1.6.5	SUPFRESS DISPLAY OF FLI	GHT DATA ENTRY AND FULL DATA	BLOCK FROM ALL	DISPLAYS IN OWN SECTOR SUITE	
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LON	
A1.1.6.5.1	INITIATE _Sc light_Data_E	ippress_Full_Duta_Block_And_F intry message		Suppress_Full_Data_Block_And_Flight_Dat	a_Entr 1
A1,1.6.5.2		opress_Full_Data_Block_And_Fl htry messoge		Suppress_Full_Doto_8lock_And_Flight_Dot	a_Entr 1
41.1.6.5.3	_Full_Data_E and the rema	a_Entry from the a_Display		Full_Duto_Block Situation_Display Flight_Data_Entry Flight_Deta_Display	1 1 1
A1.1.6.6	RESTORE DISPLAY OF FLIC	CHT DATA ENTRY AND FULL DATA		PLAYS ON OWN SECTOR SUITE	
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRIFICALITY: MED	
A1.1.6.6.1		estore_Full_Data_Black_And_F ntry_message	l	Restore_full_Data_8lock_And_flight_Dat	z_Entry 1
A1.1.5.6.2	EXECUTE _Re ght_()ato_En	store_Full_Data_Block_And_F1: try_message	1	Restore_Full_Duta_Block_And_Flight_Dat	_Entry 1
A1.1.6.6.3	the _Situat	urance of _Full_Datu_Block on ion_Display or a_Entry on the a_Display	n	Full_Data_Block Situation_Display Flight_Data_Entry Flight_Data_Display	1 1 1

			Task Elem	ent Report			• • • • • • • • • • • • • • • • • • • •
TASK NUMBER /			EMENTS / DATA				NO. OF
FLEMENT NUMBE			ENT STATEMENTS		C	OBJECTS	OBJECTS
A1.1.6.7	SUPPRESS DA	TA BLOCK F	ROM ALL DISPLAYS IN OWN SECTOR	SULTE			
	TASK T	Y9E: E	COORD MEDIA:	FREQUENCY: LOW	1	CRITICALITY: LOW	
A1.1.6.7.1		INITIATE message for	Suppress Full Data Elock or removal of Full Data Block or suite			ess_Full_Data_Block Duto_Block	1
A1.1 6.7.2		EXECUTE _S message	Suppress_full_Dota_Block		Suppre	ess_full_Oata_Block	1
41,1,6,7,3		_Full_Date	removal of appropriate a_Black from the n_Display in own sector suite			Doto_Block tion_Display	1
41.1.6.8	RESTORE DAT	A PLOCK TO	O ALL DISPLAYS IN ONN SECTOR SU	I TE	,		
	TASK T	TYPE: E	COORD MEDIA:	FREQUENCY: LOW	1	CRITICALITY: MED	
A1.1.6.8.1		INITIATE	_Display_Full_Data_Rlock or display in own sector suite			ay_Full_Data_Block	1
A1.1.6.8.2		EXECUTE _	Display_Full_Data_Block message		Displa	av_Full_Data_Block	1
A1.1,6.8.3			pearance of _Full_Data_Block on ation_Display			Duta_Block tion_Display	1 1
A1.1.6.9	SUPPRESS FL	IGHT DATA	ENTRY FROM ALL DISPLAYS IN CUIN	SECTOR SULTE		<b>***</b>	
	TASK 1	ΓΥΡΕ: E	COORD MEDIA:	FREQUENCY: LO	1	CRITICALITY: LOW	
41.1.6.9.1		INITIATE message f	_Suppress_Display_Of_An_FDE or own sector suite		Suppr	ess_Display_Of_An_FDE	1
A1.1.6.9.2		EXECUTE _:	Suppress Display_Of_An_FOE		Suppr	ress_Display_Of_An_FDE	1
A1.1.6.9.3		_Flight_D	removal of uppropriate data_Entry from ata_Display			nt_Dota_Entry nt_Dota_Display	1
A1.1.6.10	RESTORE FL.	IGHT DATA	ENTRY TO ALL DISPLAYS IN OWN SE	CTOR SUITE			
	TASK	TYPE: E	COGRD MEDIA:	FREQUENCY: LO	M	CRITICALITY: LON	
A1.1.6 10.1			_Request_Flight_Data_Entry or own sector suite		Reque	est_Flight_Data_Entry	1
A1.1.6.10.2		FXECUTE _ message	Request_Flight_Data_Entry		Reque	est_Flight_Data_Entry	1
A1.1.6.10.3		on _Fligh request f	opearance of _Flight_Data_Entry nt_Data_Display *results o. flight data entry message*		Fligh	nt_Duto_Entry nt_Dato_Display	1
A1.1.6.1:							
	TASK	TYPE: E	COORD MED!	FREQUENCY: H1		CRITICALITY: LCW	
A1.1.6.11.1		INITIATE message	_Enter_FCE_Notalion *FDEN*		Enter	r_FDE_Notation	1
A1.1.6.11.2		message -	_Enter_FDE_Notation *FDEN*		Enter	r_FDE_Notation	1

	Task Elem	ent teport	
TASK NUMBER	TASK STATEMENTS / DATA		NO. OF
ELEMENT NUMBER		OBJECTS	OBJECTS
1.1.6.11	ENTER FDE NOTATIONS		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: HI CRITICALITY: LOW (Continued)	
`.1.0.11.3	DETECT appearance of _Flight_Data_Entry_Notation MFDENM in _Flight_Dita_Entry on Flight Data Display	Fl ght_Dcta_Entry_Notation Flight_Dota_Entry	1
1,1 6 12	CELETE FDE NOTATIONS		
	TASK TYPE: E COCRD MEDIA:	FREQUENCY: LOW CRITICALITY: MED	
1.1.6.12.1	IN:TIATE _Delete_FDE_Notation message to delete a flight data entry notation	Delete_FDE_Notation	1
1.1.6. 2.2	EXECUTE _Delete_FDE_Notation *FDEN* message	Delete_FDE_Notation	1
1.1.6.12 3	RECOGNIZE removal of _Flight_Duta_Entry_Notation from _Flight_Data_Entry_on Flight_Data_ Display	Flight_Data_Entry_Notation Flight_Data_Entry	1
11.6.13	RESEQUENCE FLIGHT DATA ENTRY MANUALLY		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
1.1.6 13.1	INITIATE Manually Post/Order FDE message to resequence flight data entry position on flight data display	Manually_Post/Order_FOE	1
11 = .6.13.2	EXECUTE _Manualiy_Post/Order_FDE message	Manually_Post/Order_FDE	1
41.1.6.1 <b>3.3</b>	DSTECT new location of _Flight_Data_Entry on _Flight_Data_Display	Flight_Data_Entry Flight_Data_Display	1
41,1,6,14	DELETE CONTROLLER NOTE		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
\$1,1,6,14.1	INITIATE Controller Note message to delete information from controller notepad display	Controller_Note	1
A1.1.6.14.2	EYECUTE _Controller_Note message #delete*	Controller_Note	1
A1.1.6 14.3	RECOGNIZE deletion of appropriate text on _Controller_Notepad_Display	Controller_Notepad_Display	1
A1.1.6.15	CELETE SCRATCH PAD DATA IN FULL DATA BLOCK		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1,1,6,15,1	INITIATE _Delete_Scratch_Pad_Data message	Delete_Scracch_Pad_Data	1
A1.1.6.15.2	EXECUTE _Delete_Scrotch_Pad_Data message	Delete_Scratch_Pad_Data	1
A1.1.6.15.3	RECOGNIZE removal of _Scratch_Pio_Cata from _Full_Data_Block	Seratch_Pad_Data Full_Data_Block	1 1
A1.2.1 1	DETECT AIRCRAFT CONFETCT ALERT INDICATION		
	YASK TYPE: R COORD MEDIA:	FREQUENCY: LOW CRITICALITY: EXT	
41.2.1.1.1	SEARCH_Alert_And_Resolution_Display for presence of alerts	Alert_And_Resolution_Display	1

	Task E		
TACK NUMBER /	TASK STATEMENTS / DATA		NO. OF
ELEMENT NUMBER	TASK STATEMENTS / DATA AND TASK ELEMENT STATEMENTS	OBJECTS	OBJECTS
(1.2.1.1 DE	TECT AIRCRAFT CONFLICT ALERT INDICATION		
	TASK TYPE: R COORD MEDIA:	FREQUENCY: LOW CRITICALITY: EXT (Continued)	
11.2.1.1.2	DETECT Conflict Alert forced on the _Alert_And_Resolution_Display A/O	Conflict_Alcrt Alert_And_Resolution_Display	7 1
A1.2.1.1.3	SEARCH AERA Alert Displuy for Alreraft Conflict Priority Alert or Alreraft Conflict Advisory Alert	AERA_Alert_Display Aircroft_Conflict_Priority_Alert Aircroft_Conflict_Advisory_Alert	1 1 1
A1 2.1.1.4	DETECT _Aircroft_Conflict_Priority_Ale and/ or _Aircroft_Conflict_Adviosry_Al	rt Aircroft_Conflict_Priority_Alert er Aircroft_Conflict_Adviosry_Alert	1 1
A1.2.1.1.5	A/O SEARCH _Dato_Block on _Situation_Displ for presence of alents	ay Duta_Block Situation_Display	27 1
A1.2.1.1.6	DETECT _Conflict_Alert_Indicator in _Full_Data_Block forced on the Situati Display A/O		1 2
A1.2.1.1.7	SEARCH Flight Data Entry on Flight Data Display for presence of Glert FÜENs	Flight_Data_Entry Flight_Data_Display	27 1
A1.2.1.1.8	DETECT Conflict_Alert *FDEN* in Flight_Data_Entry on Flight Data Display	Conflict_Alert Flight_Data_Entry	1 2
A1.2.1.2 D	ETERMINE VALIDITY OF POTENTIAL AIRCRAFT CONFLICT	NOTICE OR INDICATION	
	TASK TYPE: A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: HI	
A1.2.1.2.1			30
	ACCUIRE Position_Symbol, Full Data Black and _Time on _Situation_Display for information to validate the aircraft conflict indication or notice	Full_Data_Black Time Situation_Display	27 1 1
A1.2.1.2.2	A/O  ACCUIRE Flight_Data_Entry and _Time :     Flight_Data_Display for information :     validate the aircraft conflict     inoication or notice	Flight_Data_Entry to Time Flight_Data_Display	27 1 1
A1.2.1.2.3	INTEGRATE speed, altitude, conflict alert, route, and time information wi regard to the current/ projected proximity of the aircraft involved	th	
A1.2.1.2.4	COMPARE apparent aircraft conflict situation with pilot inventions and/planned control actions	oı·	
A1.2.1.2.5	ASSESS validity of conflict alert(s) consideration of the mental truffic picture	in	
A1.2.1.3	RECEIVE CONTROLLER NOTICE OF POLENTIAL AIRCRAFT	CONFLICT IN SECTOR	
	TASK TYPE: VC COORD MEDIA: V	FREQUENCY: LOW CRITICALITY: EXT	
A1.2.1.3.1	PERFORM VSCS, Receiving G/G Communications *notice of potential aircraft conflict*		
At.2.1.4	INFORM CONTROLLER OF POTENTIAL AIRCRAFT CONFLICT	IN H{S SECTOR	
	TASK TYPE: VC COORD MEDIA: V	FREQUENCY: LOW CRITICALITY: FXT	
A1.2.1.4.1	PERFORM VSCS. Initiating G/G Communications *potential aircraft conflict in other sector*		

			Task Eleme	ant Report	<del></del>	
TASK NUMBER /		STATEMENTS / AND	/ DATA			NO. OF
FLEMENT NUMBER		ELEMENT STAT	rements		OBJECTS	OBJECTS
A1.2.1.5	FORWARD NOTICE OF	F AIRCRAFT (	CONFLICT TO SUPERVISOR			
	TASK TYPE:	E/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: LOW	
A1,2.1.5.1		RM TEM M.2, roft conflic	Sending ATC Mail ct*		<b></b>	
A1.2.1.5.2	PERFOR Commun	RM VSCS. I	nitiating G/G *aircraft conflict*			
A1.2.1.6	CHOOSE CONFLICT					
	TASK TYPE:	R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: EXT	
A1.2.1.6.1	from : Situ	up to four institution	_Resolution_Advisory displayed on the oy ond ution_Display	Site	flict_Resolution_Advisory udvion_Display ert_And_Resolution_Display	1 1 1
A1.2.1.7	REVIEW POTENTIAL	CONFLICT S	SITUATION FOR RESOLUTION			
	TASK TYPE:	R/A	CCORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI	
A1,2.1.7.1	_Full _Rang adout	ge/Bearing/T t *a/c invo uction_Displ	<pre>k, _Position_History, and Fime/Vertical_Velocity_Re</pre>	Ful Pos Ran	sition_Symbol Nl_Data_Block sition_History nge/Bearing/Time/Vertical_Velocity_Rec tuation_Display	2 2 2 2 adout 1 1
A1.2.1.7.2	into with	a complete regard to t	ude and speed information mental traffic picture the separation of the ially in conflict			
41.2.1.7.3		UATE need to raft conflic	o resolve potential ct			
A1.2.1.8	DETERMINE APPRO	PRIATE ACTI	ON TO RESOLVE AIRCRAFT CON	NFLICT SITUATION		
1	TASK TYPE:	A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: EXT	
A1.2.1.8.1	DECIO oirci mento	DE upon act roft confli	ion needed to resolve ct situation considering picture and available tion options/ advisories			
A1.2.1.9	PERCEIVE POTENT	IAL AIRCRAF	1 CONFLICT SITUATION			
	TASK TYPE:		COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: EXT	
A1.2.1.9.1	and_ _Sit vial	JIRE _Positi _Background_ !uation_Disp lations of a ndard:	on_Symbol, _Data_Block, Descriptor on the lay for potential pircraft separation	Po Da Ba	esition_Symbol ota_Block ockground_Cescriptor ituation_Display	39 27 1
A1.2.1.9.2	_Fli Indi less	ight Data Di icating a co	): _Dota_Entry and _Time on isplay for information andition evolving into dard separation between	Ti	light_Doto_Entry ime light_Data_Disploy	27 1 1
A1.2.1.9.3	trof	ffic monagem	itude, speed, route, ment/ metering, aircraft, mation into a mental			



		Task Element Report			
TASK NUMBER /	TASK STATEMENTS / DATA AND R TASK ELEMENI STATEMENTS				NO. CF
ELEMENT NUMBER	TASK ELEMENT STATEMENTS			OBJECTS	2703CB0
A1.2.1.9 f	PERCEIVE POTENTIAL AIRCRAFT CONFLICT SITUAT			/	
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY:	LOM	CRITICALITY: EXT (Continued)	
A1.2.1.9.4	RECOGNIZE patential aircraft cor situation	iflict			
	DETECT MSAW INDICATION OR ALARM				
	TASK TYPE: R COORD MEDIA:	FREQUENCY:	LOW	CRITICALITY: EXT	
A1.2.2.1.1	SCAN Data Black on Situation [ Alert And Resolution Display, a environment for presence of min altitude worning *MSAW* and v aural alerts	and aural imum safe	Data Situa Alert		27 1 1
A1.2.2.1.2	DETECT _Minimum_Safe_Altitude_W *MSAW* in _Full_Dato_Block _A/O	arning		mum_Scfe_Altitude_Warning _Dota_Block	1
A1.2.2.1.3	A/U DETECT _Minimum_Safe_Altitude_W and/ or _Aural_Alarm on _Alert_And_Resolution_Display	ırnıng	Aura)	.mum_Safe_Altitude_Warning al_Alarm ct_And_Resolution_Display	1 1 1
A1.2.2.1.4	<pre>DETECT _Airspace Conflict_Prior or _Airspace Conflict_AdvisoryAERA_Alert_Display</pre>		Airs	spoce_Conflict_Priority_Alert spoce_Conflict_Advisory_Alert v_Alert_Display	1 1 1
A1.2.2.1.5	*INITIATE _Terminate_Auditory_C rning_Alarm message	aution/Wa	Term	ninate_Auditory_Caution/Warning_Alarm	1
A1.2.2.1.6	≁EXECUTE _Terminate_Auditory_Co ning_Alorm messoge	ution/War	Term	minate_Auditory_Caution/Warnirg_Alarm	1
A1.2.2.1.7	*RECOGNIZE disappearance of MSA alarm from our all environment				
A1.2.2.2	FORWARD NOTICE OF VALID MSAW OR FLIGHT ASS				
	TASK TYPE: E/VC COORD MEDIA: V		LOW	CRITICALITY: LOW	
A1.2.2.2.1	PERFORM TEM M.2, Sending ATC M *MSAW or flight assist*				
41.2.2.2.2	Õ PERFORM VSCS, Initiating G/G Communications *MSAW or flight	ausist*			
A1.2.2.3	RECEIVE CONTROLLER NOTICE OF POTENTIAL MSA	W IN SECTOR			
	TASK TYPE: VC COORD MEDIA: N		: LOW	CRITICALITY: EXT	
A1.2.2.3.1	PERFORM VSCS, Receiving G/G Communications *notice of pote altitude situation*	ential low			
A1.2.2.4	INFORM CONTROLLER OF POTENTIAL MSAW IN HIS				
	TASK TYPE: VC COORD MEDIA: )	/ FREQUENCY:	: LOW	CRITICALITY: MED	
A1.2.2.4.1	PERFORM VSCS. Initiating G/G Communications *potential low situation*	altitude			
A1.2.2.5	PERCEIVE POTENTIAL LOW ALTITUDE SITUATION				
1	TASK TYPE: R/A COORD MEDIA:	FREQUENCY	: LOW	CRITICALITY: EXT	
A1.2.2.5.1	ACQUIRE Position Symbol, Dat and Background Vescriptor on Situacion Display for potenti oltitude situation A/O		Date Back	sition_Symbol .o_Block :kground_Descriptor .uotion_Disploy	30 27 1 1

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TASK NUMBER / ELEMENT NUMBER			STATEMENT AND ELEMENT S	/ DATA TATEMENTS			C	BJECTS	NO. OF OBJECTS
A1.2.2.5	PERCEIVE POT	EN11/	AL LOW AL	TITUDE SITUATION					
	TASK TY	'Pξ:	R/A	COORD MEDIA:	FREQUENCY:	£0W	i	CRITICALITY: EXT (Continued)	
A1 2 .5.2	ī	Flig Indic	nt Data D	t Data Entry and Time of isplay for information ditions developing into ituation			Timě	:_Data_Entry ;_Data_Display	27 1 1
.1.2.2.5.3	c i n	bstr indic enta	uction/ t ator, and l traffic	tude, route, aircraft, errain, nonconformance time information into a with regard to potentia ituations					
A1.2.2.5.4		RECOG Situo		ntial low altitude					
A1.2.2.6	DETERMINE VA	AL IDī	 TY OF <b>M</b> SA	W NOTICE OR INDICATION			<b>-</b>		
	TASK T	YPE:	A	COORD MEDIA:	FREQUENCY	LOI	1	CRITICALITY: HI	
41.2.2.6.1	: Ī	SEARC _Back	H_Geogra ground_De ay for ob ires	phic_Map_Data in escriptor on Situation estructions and terrain			Geogr	ophic_Map_Cata round_Descriptor	1
A1.2.2.6.2	(	SEARC chart featu	s for obs	O _Information_Display structions and terrain			Stati	c_Information_Display	1
A1.2.2.6.3	· -	infor Cegar Proxi	motion in d to the mity of :	created situation nto mental picture with current/ projected the aircraft to and terroin					
A1.2.2.6.4	1	COMPA pilot actio	intentio	ent MSAW situation with ons ana/ or planned contr	rol				
A1.2.2.6.5			deration	lidity of the MSAW in of the mental traffic					
A1.2.2.7	DETERMINE A	PPROF	RIATE AC	TION TO RESOLVE LOW ALTI	TUDE SITUATION				
	TASK T	YPE:	Α	COORD MEDIA:	FREQUENCY	: L0	W	CRITICALITY: EXT	. ~
41.2.2.7.1		altii trof	tude situ fic pictu	ction needed to resolve ation considering mental re and available conflic tions/ advisories					
A1.2.3.1	INFORM CONT	ROLLI	ER OF POT	ENTIAL AIRSPACE CONFLICT	IN HIS SECTOR				
	TASK T	YPE:	VC/E	COORD MEDIA: V/M	FREQUENCY	'. LC	Ж	CRITICALITY: EXT	
A1.2.3.1.1	**************************************	Comro	unication	Initiating G/G s *potential airspace ther sector*	~ · · · · · · · · · · · · · · · · · · ·				
A1.2.3.1.2			ORM TEM M ential ai	.2, Sending ATC Mail rspace conflict in other					

	Task Elem	ent Report		
TASK NUMBER	TASK STATEMENTS / DATA / AND			NO. OF
ELEMENT NUMB			OBJECTS	OBJECTS
11.2.3.2	RECEIVE CONTROLLER NOTICE OF POTENTIAL AIRSPACE CONF	LICT IN SECTOR		
	TASK TYPE: VC COURD MEDIA: V	FREQUENCY: LOW	CRITICALITY: EXT	
A1.2.3.2.1	PERFORM VSCS. Receiving G/G Communications *notice of potential aircraft-airspace conflict affecting this sector*			
A1.2.3.3	REQUEST RELEASE OF SPECIAL USE AIRSPACE			
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.2.3.3.1	FERFORM TEM M.2. Sending ATC Moil *request for release of special use oirspace*			
A1.2.3.3.2	O PERFORM VSCS, Initiating G/G Communications *request for release of special use airspace*			
A1.2.3.4	RECEIVE DENIAL OF USE OF SPECIAL USE AIRSPACE			
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.2.3.4.1	PERFORM TEM M.1. Receiving ATC Moil *denial of use of special use airspace*			
A1.2.3.4.2	O PERFORM VSCS, Receiving G/G Communications *denial of use of special use airspace*			
A1.2.3.5	RECEIVE APPROVAL FOR USE OF SPECIAL USE AIRSPACE			
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.2.3.5.1	PERFORM TEM M.1. Receiving ATC Moil *opproval for use of special use airspace*		<del></del>	
41.2.3.5.2	O PERFORM VSCS, Receiving G/G Communications *approval of use of special use airspace*			
A1.2.3.6	DETERMINE VALIDITY OF AIRSPACE CONFLICT NOTICE OR I	NDICATION		
	TASK TYPE: A COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: EXT	
A1.2.3.6.1	COMPARE airspace conflict indication with pilot intentions and/ or planned control actions			
A1.2.3.6.2	DETERMINE validity of airspace conflict notice or indication			
A1.2,3.7	PERCEIVE POTENTIAL AIRSPACE CONFLICT SITUATION			
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: MED	CRITICALITY: HI	
A1.2.3.7.1	ACQUIRE _Position_Symbol, _Data_Block, and _Background_Descriptor on _Situation_Display for potential violations of airspace separation standards A/O	Dat Bac	sition_Symbol te_Block ckground_Descriptor tuation_Display	30 27 1 1

			Tosk Elem	ent Report		
TASK NUMBER / ELEMENT NUMBE	/ ER	TASK STATEMEN AND TASK ELEMENT	) STATEMENTS		OBJECTS	NO. OF OBJECTS
A1.2.3.7	PERCE IVE	POTENTIAL AIRS	SPACE CONFLICT SITUATION			
	TASK	C TYPE: R/A	COORD MEDIA:	FREQUENCY: MED	CRITICALITY: HI (Continued)	)
A1.2.3.7.2		ACQUIRE _Specthe _System_S	ecial_Use_Airspace_Status on _Status_Data_Display	Spec	cial Use_Airspace_Status cem_Status_Data_Disploy	1
A1.2.3.7.3		ACQUIRE Flight Data Pertaining to	A/O ight Data Entry and _Time on a Display for information to possible violation of paration standards	Time	ght_Data_Entry e pht_Data_Display	27 1 1
A1.2.3.7.4		airspace, ai information picture with	oltitude, route, special use ircraft, speed, and time into a mental traffic in regard to violation of paration standards			
A1.2.3.7.5		RECOGNIZE po conflict	otential aircraft-to-airspace			
A1.2.3.8	DETERMINE	E APPROPRIATE /	ACTION TO RESOLVE AIRSPACE COM	NFLICT SITUATION		
	TASK	K TYPE: A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI	
A1.2.3.8.1		aircraft-to- considering	action needed to resolve -airspace conflict situation mental traffic picture and solution indicators/			
A1.2.4.1	OBSERVE !	DISPLAY FOR FIX	XED OBSTRUCTIONS THAT MAY INTO	ERFERE WITH AIRCRAFT	T FLIGHT	
	TASI	SK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	ÇKITÎCALITY: HI	
A1.2.4.1.1		and Backard		Data Baci	ition_Symbol a_Block kground Descriptor uation_Display	30 21 1 1
A1.2.4.1.2		_Flight_Date	A/O light Data Entry and _Time on la_Display for information to aircraft/ obstruction	Tim	ght_Doto_Entry ne .ght_Doto_Disploy	27 1 1
A1.2.4.1.3		aircraft, a mental traf	altitude, route, obstruction, and time information into a ffic picture with regara to ostruction clearance			
A1.2.4.1.4		RECOGNIZE a aircraft-to violation	a potential a-obstruction separation			
A1.2.4.2	EVALUATE	¿ CONFLICT RESC	OLUTION ADVISORY APPROPRIATENE	ESS FOR PILOT/ ROUTE	E/ ALTITUDE/ NEATHER	
	TAS	SK TYPE: R/A	COORD MEDIA:		CRITICALITY: HI	
A1,2,4,2,1	*******	_Position_S _Background _Weather_De	onflict_Resolution_Advisory, SymbelData_Block, d_Descriptor. and escriptor on _Disploy for separation	Cor Pos Dat Bac Wec	nflict_Resolution_Advisory sition_Symbol to_Block ckground_Descriptor other_Descriptor tuotion_Display	1 30 27 1 2 1
		standards v	V1010t10n			

		Tosk Elen	ment Report		
TASK NUMBER .	TASK STATEMENTS				NO. OF
ELEMENT NUMBI	ER TASK ELEMENT STA			OBJECTS	OBJECT:
11.2.4.2	EVALUATE CONFLICT RESOLUTION				
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI (Continued)	,
11.2.4.2.5	ACQUIRE Flight	Data_Entry and _Time on	Flig	cht_Data_Entry	1
	pertaining to ur A/O			e pht_Dota_Display	1
A1.2.4.2.4	ACQUIRE _RWP_Haz RWP Hazardous W	rardous_Weather_Data, Weother Outline, and/ or		Hazardous_Weather_Data Hazardous_Weather_Dutline	1 3
	TIFR7IMC Area Ōu	utline "*weather f on _Situation_Display	ĮFR,	7IMC_Area_Outline pation_Display	2 1
A1.2.4.2.5		rardous_Area_Outline,		Hazardous_Area_Outline 7IMC Area Outline	3 2
	_RWP_Hazardous_k	leather_Data, and∕ or	RIJP	_Hazardous_Neather_Data	1
	_Geographic_Map_ _Weather_Display A/O	,	₩eat	grophic_Mop_Overloy ther_Display	1 1
A1.2.4.2.6		utical_And_Meteorological autical_And_Meteorologica		onautical_And_Meteorological_Data onautical_And_Meteorological_Data	
A1.2.4.2.7	conditions, airc airway, and airp	tude, route, unsafe croft, speed, weather, port data and pilat traffic picture			
A1.2.4.2.8		lict Resolution Advisory to the route, altitude, lot intentions	Con	flict_Resolution_Advisory	7
A1.2.4.3	FORMULATE ADVISORY/ SAFETY	ALERY CONTENT			
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI	
A1.2.4.3.1	DECIDE to issue	a safety alert or to y service based on the			
A1.2.4.3.2		nts of advisory service ormation to assist pilot of flight*			
A1.2.4.3.3	FORMULATE conte *advice and inf	ents of safety alert ormation which is of a or to assist pilot in safe tht*			
	DETECT AIRCRAFT MANEUVER I				
	TASK TYPE: R/A	COURD MEDIA:		CRITICALITY: HI	
A1.2.4.4.1	_Position_Histo for information		Ful Tro Pos	sition_Symbol ll_Data_Block ack_Vector sition_History tuation_Display	1 1 1 1
A1.2.4.4.2	DETECT changes of Position_Syr an _Situation_(	in movement mbol and _Full_Data_Block	Pos Fu	sition_Symbol ll_Data_Block tuation_Display	1 1
	<u> </u>			<del></del>	

TASK NUMBER / ELEMENT NUMBE					
ELEMENT NUMBE	R TASK ELEMENT S				NO. OF
A1.2.4.4		TATEMENTS		OBJECTS	OBJECTS
	DETECT AIRCRAFT MANEUVER	IN RESPONSE TO ADVISORY, AL			
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI (Continued)	
A1.2.4.4.4		t compliance with advisory			
A1.2.4.4,5	COMPARE Posit Full Data Blo Mode C Altitu	ion_Symbol and	F1 <b>M</b> (	osition_Symbol ull_Data_Block ode_C_Altitude ull_Data_Block	1 1 1
<b></b> A1.2.4.5	ISSUE TRAFFIC ADVISORY/ S	AFETY ALERT IN REGARD TO TR	RAFFIC PROXIMITY		
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: MED	CRITICALITY: HI	
A1.2.4.5,1	PERFORM VSCS,	Communicating Normally *traffic advisory/ safety			
A1.2.4.6	INFORM PILOT WHEN CLEAR O	F TRAFFIC	· • • • • • • • • • • • • • • • • • • •		
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: MED	CRITICALITY: LOW	
A1.2.4.6.1		Communicating Normally *inform pilot clear of			
A1.2.4.7	ISSUE ADVISORY IN REGARD	TO A NON-CONTROLLED OBJECT		***************************************	
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: HI	
A1.2.4.7.1	PERFORM VSCS,	Communicating Normally *advisory in regard to			
A1.2.4.8	INFORM PILOT WHEN CLEAR (	OF NON-CONTROLLED OBJECT			
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: LOW	
A1.2.4.8.1	PERFORM VSCS.	Communicating Normally *pilot clear of			••••••
A:.2.4.9	ISSUE ADVISORY IN REGARD	TO RESTRICTED AIRSPACE PRO	XIMITY		
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: MED	
A1.2.4.9.1	Air-To-Ground restricted aim	Communicating Normally *advisory in regard to rspace*			
Λ1.2.4.1Ø		TO FLIGHT PLAN DEVIATION			
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: MED	
A1.2.4.10.1	PERFORM VSCS, Alr-To-Ground flight plan d	Communicating Normally *advisory in regard to eviation*			
A1.2.4.11		ADVISORY IN RELATION TO AL		DI'S INTENTIONS	
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
A1.2.4.11.1	_Background_U _Situation_Di	lict_Resolution_Advisory, bol, _Data_Block, and escriptor on splay	[ [	Conflict_Resolution_Advisory Position_Symbol Data_Block Data_Bound_Descriptor Situation_Display	4 30 27 1

		Task Eleme	ent Report		
TASK NUMBER / ELEMENT NUMBER	TASK STATEMENT AND TASK ELEMENT S			OBJECTS	NO. OF OBJECT
A1.2.4.11 EV	ALUATE MSAW RESOLUTION	ADVISGRY IN RELATION TO AIR	CRAFT TYPE/ PILOT'S	INTENTIONS	
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED (Continued)	
A1.2.4.11.2	for possible s situation	And Resolution Display olution to low altitude	Aler	t_And_Resolution_Display	1
A1.2.4.11.3	_Flight_Data_D pertaining to	ut_Dota_Entry on Display for information low altitude situation		pht_Data_Entry pht_Data_Display	1
A1.2.4.11.4	_RNP_Hazardous _1FR/1MC_Area	lazardous Weather_Data, ; Areo_Oulline, and/ or Outline —*weather a* on _Situation_Display	RWP RWP IFR/ Situ	1 3 2	
A1.2.4.11.5	ACQUIRE _RWP_F IFR/IMC Area	dazardous_Area_Outline, _Outline, and/ or s_Weather_Data on .ay	IFR∑ R⊌P	Hazardous_Area_Outline /IMC_Area_Outline Hazardous_Weather_Data Lher_Display	3 2 1 1
41.2.4.11.6	ACQUIRE _Geopi _Situation_Di: pertaining to	raphic_Map_Data on splay for information MSAW condition	Geo <sub>l</sub> Site	1	
A1.2.4.11.7	ACQUIRE _Sect and/ or _Inst on _Static_In	/O lonol_Aeronautical_Chort rument_Approach_Procedures formation_Display for ertaining_to_low_altitude	Ins	tional_Aeronautical_Chart trument_Approach_Procedures tic_Information_Display	1 1 1
A1.2.4.11.8	geographic ma obstruction/	titude, route, weather, c, aircraft, time, terrain information and ons into mentol truffic			
A1.2.4.11.9		AW_Resolution_Advisory is n consideration of the c picture	MSA	W_Resolution_Advisory	1
A1.2.4.12 I	SSUE SAFETY ALERT IN RE	GARD TO MINIMUM ALTITUDE			
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: H1	
A1.2.4.12.1	Air-To-Ground to minimum er	Communicating Normally *safety alert in regard route/ obstruction itude/ proximity to ground*			
A1.2.4.15 0	DBSERVE DISPLAY FOR NON-	CONTROLLED AIRBORNE OBJECTS		WITH AIRCRAFT FLIGHT	
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI	
A1.2.4.13.1	_Situation_Di	on_Symbol and _Data_Block on splay for information olicraft/ non-controlled ution	Pos Dat	sition_Symbol p_Block uation_Display	30 27 1
A1.2.4.13.2		ion Symbol that is not th tracked targets	Pos	sition_Symbol	1
A1.2.4.13.3	route, speed, mental pictur	titude, traffic proximity, and time information into e of controlled traffic in the non-controlled traffic			

		Task Elem	ent Report		<del>-</del>
	TASK STATEMENTS / AND ER TASK ELEMENT ST	TATEMENTS		OBJECTS	NO. OF OBJECTS
	OBSERVE DISPLAY FOR NON-CO				
	TASK TYPE: R/A	COGRD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI (Continued)	
41.2.4.13.4	RECOGNIZE a no	n-controlled dirborne ill interfere with ffic			
A1.2.4.14	DETERMINE NEED FOR ADVISOR				
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI	
41,2.4.14.1	SYNTHESIZE men	tol traffic picture to roller course of action			
41.2.4.14.2		ropriote course of action ety alert, or clearance*			
A1.2.5.1	DETERMINE VALIDITY/ APPRO	PRIATENESS OF DISPLAY OF AN		ON ADVISORY	
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI	
A1,2,5,1,1	ACQUIRE _Confl Position Symb	ict_Resolution_Advisory, ol,_ Data_Block, _Descriptor on ploy for potential ircraft separation	( F ( E	Conflict_Resolution_Advisory Osition_Symbol Oata_Block Jackground_Descriptor Situotion_Disploy	1 30 27 1
41.2.5.1.2	Alert And Res	ict Resolution_Advisory on olution_Display *A&R information pertaining to on advisory	,	Conflict_Resolution_Advisory \lert_And_Resolution_Display	1 1
41.2.5.1.3	AUQUIRE Fligh _Flight_Data_C pertaining to	t_Data_Entry on hisplay for information unsafe condition advisory		-light_Data_Entry -light_Data_Display	1 1
A1.2.5.1.4		dzordous_Weather_Dota, _Area_Outline, and _Outline on play	1	RWP_Hozardous_Weather_Doto RWP_Hozcrdous_Areo_Outline IFR7IMC_Areo_Outline Situation_Display	1 3 2 1
41.2.5.1.5	ACQUIRE RWP L IFR/IMC Areo RWP Hazordous Geographic M Weother Displ	ozardous_Area_Outline, Outline, 	!	RWP Hozardous_Area_Cutline IFR/IMC_Area_Outline RWP_Hozardous_Weather_Data Geogrophic_Map_Overlay Weather_Display	3 2 1 1
A1.2.5.1.6	weather, airc:	litude, route, speed, raft, alert, geographic c informaton into mental			
A1.2.5.1.7		traffic picture with tions and/ or planned as			
A1.2.5.1.8	on _Situation	nflict_Resoluton_Advisory Display is appropriate		Conflict_Resoluton_Advisory Situation_Display	1 1
A1.2.5.1.9	DECIDE if _Alo _Conflict_Res	ert_Type and _Condition, olution_Advisory, and/ or on _Alert_And_Resolution_Di		Alert_Type Condition Conflict_Resolution_Advisory Aural_Alarm Alert_And_Resolution_Display	1 1 1 1

			Task	Element Report		·	·
TASK NUMBER / ELEMENT NUMBE			REMENTS / DATA AND MENT STATEMENTS			OBJECTS	NO. OF OBJECTS
41.2.5.2	SUPPRESS CONFL	ICT A	LERT FOR PAIRED AIRCRAFT				
	TASK TYPE	: E	COORD MEDIA:	FREQUENCY	: LOW	CRITICALITY: LOW	
A1.2.5.2.1		TIATE sage	_Suppress_Conflict_Alert_Pd	ir	Sup	press_Conflict_Alert_Poir	1
A1.2.5.2.2		CUTE sage	_Suppress_Conflict_Alert_Pai	r	Sup	press_Conflict_Alert_Pair	1
A1.2.5.2.3			ystem acceptance of the s_Conflict_Alert_Pair messag	je	Sup	press_Conflict_Alert_Pair	1
A1.2.5.3	SUPPRESS CONFL	ICT A	LERT FOR GROUP SUPPRESSION				
	TASK TYPE	: Е	COORD MEDIA:	FREQUENCY	: LOW	CRITICALITY: LOW	
A1.2.5.3.1	sup	press	_Group_Suppression message ion of conflict alert for a aircraft	for	Gno	up_Suppression	1
A1.2.5.3.2	EXE	CUTE	_Group_Suppression message		Ģra	oup_Suppression	1
A1.2.5.3.3			E system acceptance of uppression_Message		Gro	oup_Suppression_Message	1
A1.2.5.4	SUPPRESS MSAW	RESUL	UTION ADVISORY FOR AN ALRORA	 \FT			
	TASK TYPE	: E	COORD MEDIA:	FREQUENCY	': LOW	CRITICALITY: LOW	
A1.2.5.4.1			Suppress_MSAW_Conflict_Resory message	solut	Sup	press_MSAW_Conflict_Resolution_Advisory	1
A1.2.5.4.2			_Suppress_MSAW_Conflict_Reso cory message	oluti	Sup	opress_MSAW_Conflict_Resolution_Advisory	1
A1.2.5.4.3	_Sc		E system acceptance of s_MSAW_Conflict_Resolution_a	Advis	Sub	press_MSAW_Conflict_Resolution_Advisory	1
A1.2.5.5	SUPPRESS MSAW	FUNCI	TION FOR AN AIRCRAFT			<u></u>	
	TASK TYPE	: F	COORD MEDIA:	FREQUENC	: LCW	CRITICALITY: LOW	
A1.2.5.5.1	IN	ITIATE	_Suppress_MSAW_Alert messo	ge	Sur	ppress_MSAW_Alert	1
A1.2.5.5.2	EXI	ECUTE	_Suppress_MSAN_Alert messag	е	Sup	ppress_MSAW_Alert	1
A1.2.5.5.3		uppre:	ZE system acceptance of ss_MSAN_Alert message			ppress_MSAW_Alert	1
A1.2.5.6	SUPPRESS CONF		RESOLUTION ADVISORY FOR PAIR				
ı	TASK TYP	E: E	COORD MEDIA:	FREQUENC	Y: LOW	CRIT!CALITY: LOW	
A1.2.5.6.1			E _Suppress_Conflict_Resolut message	ion_A	Su	ppress_Conflict_Resolution_Advisory	1
A1.2.5.6.2			_Suppress_Conflict_Resoluti message	on_Ad	Su	ppress_Conflict_Resolution_Advisory	1
A1.2.5.6.3	_S		ZE system occeptance of ss_Conflict_Resolution_Advis	sory	Su	ppress_Conflict_Resolution_Advisory	1

	Task Elemen	nt Report	
TACK AN MOCE	TASK STATEMENTS / DATA		NO OF
TASK NUMBER / ELEMENT NUMBE		OBJECTS	NO. OF OBJECTS
A1.2.5.7	RESTORE SPECIFIC ALERT/ RESOLUTION ADVISORY FUNCTION	10 NORMAL	
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1.2.5.7.1	INITIATE _Restore_Conflict_Alert_Pair_Ad visory message to restore to normal advisory fuctionality	Restore_Conflict_Alert_Pair_Advisory	1
A1.2.5.7.2	EXECUTE _Restore_Conflict_Alert_Pair_Adv isory message	Restore_Conflict_Alert_Poir_Advisory	1
A1.2.5.7.3	DETECT system acceptunce of Restore Conflict_Alert_Pair_Advisory message	Restore_Conflict_Alert_Poir_Advisory	1
A1.2.5.7.4	A/O INITIATE _Restore_Conflict_Resolution_Ad visory message to restore to normal advisory functionality	Restore_Conflict_Resolution_Advisory	1
A1.2.5.7.5	EXECUTE _Restore_Conflict_Resolution_Adv isory message	Restore_Conflict_Resolution_Advisory	1
A1.2.5.7.6	DETECT system acceptance of _Restore_Conflict_Resolution_Advisory message	Restore_Conflict_Resolution_Advisory	1
A1.2.5.7.7	INITIATE _Group_Suppression message to restore normal functioning of alert and resolution capabilities	Group_Suppression	1
41.2.5.7.8	EXECUTE _Group_Suppression message *deletion of suppression*	Group_Suppression	1
A1.2.5.7.9	DETECT system acceptance of Group_Suppression message O	Group_Suppression	1
A1.2.5.7.18	INITIATE _Restore_MSAW_Alert_Advisory message to restore normal advisory functionality	Restore_MSAW_Alert_Advisory	1
A1.2.5.7.11	EXECUTE _Restore_MSAW_Alert_Advisory message	Restore_MGAW_Alert_Advisory	1
A1.2.5.7.12	DETECT system occeptance of Restore_MSAW_Alert_Advisory message A70	Restore_MSAW_Alert_Advisory	1
A1.2.5.7.13	INITIATE Restore Conflict Resolution Ad visory message to restore normal advisory functionality	Restore_Conflict_Resolution_Advisory	1
A1.2.5.7.14	EXECUTE _Restore_Conflict_Resolution_Adv isory message	Restore_Conflict_Resolution_Advisory	1
A1.2.5.7.15	DETECT system acceptance of _Restore_Conflict_Resolution_Advisory message	Restore_Conflict_Resolution_Advisory	1
A1.2.6.1	SUPPRESS FLIGHT PLAN AIRCRAFT CONFLICT DETECTION		
<b></b>	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW GRITICALITY: LOW	
A1.2.6.1.1	INITIATE _Flight_Plan_Conflict_Detection _Suppression	Flight_Plan_Conflict_Detection_Suppression	1

				iask filom	ent Report			
TASK NUMBER /		TASK STA	ATEMENTS .	/ DATA				NO. OF
ELEMENT NUMBE		TASK ELI	EMENT STA	TEMENTS			OBJECTS	0875013
1.2.6.1	SUPPRESS FL	IGHT PL	AN AIRCRA	FT CONFLICT DETECTION				
	TASK T	YPE: E		COORD MEDIA:	FREQUENCY:	1.00	CRITICALITY: LOW (Continued)	
1.2.6.1.2			Flight Sion Mess	Plan_Conflict_Detection_ age		Flig	pht_Plan_Conflict_Detection_Suppression	1
1.2.6.1.3			ht_Plan_C	occeptonce Conflict_Detection_Suppre		Flig	<pre>pht_Plan_Conflict_Detection_Suppression</pre>	1
1.2.6.2	RESIORE FLI	GHT PLA	N AIRCRAF	T CONFLICY DETECTION				
	TASK 1	YPE: E	<u>:</u>	COORD MEDIA:	FREQUENCY:	ピル	CRITICALITY: LOW	
11.2.6.2.1			TE _Flight e message	_Plan_Conflict_Detection		Fliq	ght_Plan_Conflict_Datection_Restore	1
11.2.6.2.2			_Flight_ e message	Plan_Conflict_Detection_		Flig	ght_Plan_Conflict_Detection_Restore	1
11.2.6.2.3		DETECT _Flight message	i_Plan_Cor	cceptance of nflict_Detection_Restore		Flig	ght_Plan_Conflict_Detection_Restore	1
A1.2.6.3	SUPPRESS D	ISPLAY (	OF FLIGHT	PLAN AIRSPACE CONFLICT DE	TECTION			
	TASK	TYPE: E	Ē	COORD MEDIA:	FREQUENCY:	FOM	CRITICALITY: LOW	
11.2.6.3.1			TE_Airspo	ace_Conflict_Detection_Su ge		Air	space_Conflict_Detection_Suppression	1
A1.2.6.3.2			F _Airspoi on messagi	ce_Contlict_Detection_Sup e		Air	space_Conflict_Detection_Suppression	1
A1.2.6.3.3			ace_Confl	m acceptance of ict_Detection_Suppression		Air	space_Conflict_Detection_Suppression	1
A1.2.6.4	RESTORE DI	SPLAY O	F FLIGHT	PLAN AIRSPACE CONFLICT DE	TECTION	·		
	TASK	TYPS: 1	Ę	COORO MEDIA:	FREQUENCY:	FOM	CRITICALITY: LOW	
A1.2.6.4.1		store : presen	message t	ore_Conflict_Detection_Re o restore the oircraft-to-airspoce ion		Ajr	space_Conflict_Detection_Restore	1
A1.2.6.4.2			E_Airspa nessage	ce_Conflict_Cetection_Res		Air	rspace_Conflict_Detection_Restore	1
A1.2.6.4.3			oce_Confl	cceptance of .ict_Detection_Restore		Air	space_Conflict_Detection_Restore	1
A1.2.6.5	SUPPRESS F	LIGHT P	LAN FLOW	RESTRICTION VIOLATION DET	ECT10N		**************************************	
	TASK	TYPE:	£	COORD MEDIA:	FREQUENCY	: LOW	CRITICALITY: LOW	
A1.2.6.5.1		ection the di	_Suppress	Restriction_Violation_Det ion message to suppress traffic management ction	,	Flo	ow_Restriction_Violation_Detection_Suppr	ress 1
A1.2.6.5.2				Restriction_Violation_Deta ion message	2	Fl	ow_Restriction_Violation_Netection_Suppr	ess 1

				Task Elem	ent Report				
TACK NAMED			TATEMENTS				,	10. OF	
TASK NUMBER . ELEMENT NUMBE	, LR	٤ كاد .	LEMENT STA	TEMENTS				BUECTS	
.2 6.5	SUPPRESS (	FLIGHT P	LAN FLOW R	ESTRICTION VIOLATION DETE					
	TASK	TYPE:	E	COORD MEDIA:	FREQUENCY: LOW		CRITICALITY: LOW (Continued)		
1,2 6.5 3		Flow	HIZE system Restriction Non messog	acceptance of Nicolation_Detection_Su		Flow_R	estriction_Violation_Detection_Suppres	s 1	
.2.6.6	RESTORE F	LIGHI PI	AN FLOW RE	STRICTION VIOLATION DETEC	TION		,		
	TASA	TYPE:	£	COGRO MEDIA:	FREQUENCY: LOW	I	CRITICALITY: LOW		
1.2 8 6 1		ection displ	n_Restore a	Sestriction_Violation_Det lessage to restore the let plan flow restriction lion		Flow_8	Restriction_Violation_Detection_Restors	1	
.3.6.6.2			PE_Flow_Re _Restord me	estriction_Violation_Dete essage	Dete F.ow_Restriction_Violation_Detection_Ristore				
1,2 6.6.3		_flow	T :ystem od _Restrictio _message	cceptance of the on_Violation_Re		Flow_f	Restriction_Violation_Detection_Restore	1	
3 1,1	EVALUATE	TRAFFIC	MANAGEMEN	CONSTRAINTS FOR EFFECT (	ON TRAFFIC FLOW				
	TASK	TYPE:	A/R	COORD MEDIA:	FREQUENCY: HI		CRITICALITY: MED		
1,3 1,1,1		ACQUI	RE _Positio	on_Sympol, _Duta_Block,			ion_Symbol	30	
		_Back Weat	ground_Desc her_Descrip	rīptor, and otor on		Jato_l Backar	Block round_Descriptor	27 1	
		_Situ perta	ation_Disp ining to to ictions	lay for information raffic management		Weath	er_Oe5criptor tion_Display	2	
3 1.1.2		• CQUI	A/O RE_Flight	_Dota_Entry and _Time on			t_Data_Entry	27	
		parti				Time Fligh	t_Doto_Display	1	
1,3 1 1,3		ACQU1 t for	RE Troffi	c_Management_Advisory_Lis anagement constraints		Traff	ic_Management_Advisory_List	1	
1,3 1 1,4		and		ng_Advisory_List_Header dvisory_List_Entry_on ory_List		Meter	ing_Advisory_List_Heoder ing_Advisory_List_Entry ing_Advisory_List	1 1 1	
1.5.1 1.5		manag airen menta	ement/ met aft, and t	e, altitude, truffic ering, destination, ime information into with regard to impact of s					
1 3.1.1.6				c management and metering effect on traffic flow					
3.1.2	CHOOSE O	PTION TO	BRING AIR	CRAFT INTO CONFORMANCE WI			RESTRICTIONS		
	TAS	K TYPE:	R/A	COORD MEDIA:	FREQUENCY: HI		CRITICALITY: MED		
11 3.1.2 1		from		eft positions and movement ta_Entry and play	,		nt_Data_Entry ation_Display	27 1	
\$.1.2.2				t positions and movement agement information					

	Task Elem			· <b>-</b>
TASK NUMBER /	TASK STATEMENTS / DATA AN) TASK ELEMENT STATEMENTS		00.15070	NC. Or
SLEMENT NUMBER	TASK ELEMENT STATEMENTS		OBJECTS	OBJECTS
	SE OPTION TO BRING AIRCRAFT INTO CONFORMANCE WIT			
	TASK TYPE: R/A CUORO MEDIA:	FREQUENCY: HI	CRITICALITY: MED (Continued)	
11.3.1.2.3	DECIDE to vector/ reroute directs to bring a direct into conformance with flow parameters  0			
31.3.1.2.4	DECIDE to change altitude of aircraft to bring aircraft into conformance with flow parameters			
A1.3.1.2.5	DECIDE to change speed of aircraft to bring aircraft into conformance with flow parameters O			
A1.3.1.2.6	DECIDE to hold aircraft to bring aircraft into conformance with flow parameters			
A1.3.1.3 DISC	USS DISCONTINUANCE OF TRAFFIC MANAGEMENT RESTRIC	TION TRAFFIC REROL	ITE WITH SUPERVISOR	
	TASK TYPE: A/VC COORD MEDIA: V	· · · ENCY: EOW	CRITICALITY: LOW	
A1.3.1,3.1	PERFORM VSCS, Initiating G/G Communications *discuss whether flow parameters are necessary based on current or expected traffic conditions*			**************************************
A1.3.1.5.2	PERFORM VSCS. Receiving G/G Communications *discuss whether flow restrictions are necessary based upon current or expected traffic conditions*			
A1.3.1.4 REV	EW OPTIONS TO BRING AIRCRAFT INTO CONFORMANCE W	ITH TRAFFIC MANAGEM	ENT RESTRICTIONS	
	TASK TYPE: A COORD MEDIA:			
A1.3.1.4.1	SYNTHESIZE altitude, route, and time information into mental traffic picture to decide the most appropriate action to bring aircraft into conformance with flow parameters			
A1.3.1,4,2	EVALUATE appropriateness of vectoring/ rerouting to bring direcaft into conformance with flow parameters			
A1.3.1.4.3	A EVALUATE appropriateness of changing altitude to bring direraft into conformance with flow parameters			
	·			
A1.3.1.4.4	A  EVALUATE appropriateness of changing speed to bring the aircraft into conformance with flow parameters			
A1.3.1.4.4 A1.3.1.4.5	A EVALUATE appropriateness of changing speed to bring the aircraft into conformance with flow parameters  A EVALUATE appropriateness of holding aircraft to bring aircraft into conformance with flow parameters			
A1.3.1.4.5	A EVALUATE appropriateness of changing speed to bring the aircraft into conformance with flow parameters  A EVALUATE appropriateness of holding aircraft to bring aircraft into	·		
A1.3.1.4.5	A EVALUATE appropriateness of changing speed to bring the aircraft into conformance with flow parameters A EVALUATE appropriateness of holding aircraft to bring aircraft into conformance with flow parameters			

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TASK NUMBER /				NO. OF
ELEMENT NUMBE	R TASK ELEMENT STATEMENTS		OBJECTS	08JECT:
1.3.1.6	RECEIVE TRAFFIC MANAGEMENT RESTRICTION			
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
1.3.1.6.1	PEPFORM VSCS, Receiving G/G Communications *traffic management restriction*			
1.3.1.6.2	PERFORM TEM M.1. Receiving ATC Mai *traffic management restriction*	1		
1.3.1.7	RECEIVE METERING DATA			
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: MED	CRITICALITY: MED	
1.3.1.7.1	PERFORM VSCS, Receiving G/G Communications *metering data* O			
11.3.1.7.2	PERFORM TEM M.1, Receiving ATC Mai *metering data*	1		
1.3.1.8	RECEIVE SUPERVISOR NOTICE TO HOLD/ REROUTE TRA	FFIC CLEAR OF CONTINGENCY	· * * * * * * * * * * * * * * * * * * *	
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1.3.1.8.1	PERFORM VSCS, Receiving G/G Communications *notice from superv to hold or reroute traffic*	risor		
41.3.1.8.2	O PERFORM TEM M.1, Receiving ATC Moi *notice from supervisor to hold or reroute troffic*	.1		
A1.3.1.9	REQUEST EXCEPTION TO TRAFFIC MANAGEMENT RESTRI	ICTION		
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.3.1.9.1	PERFORM VSCS, Initiating G/G Communications *request exception traffic management restriction* O			
A1.3.1.9.2	PERFORM TEM M.2, Sending ATC Mail *request exception to traffic managerestrictions*	gement		
A1.3.1.10	REVIEW TRAFFIC DEMANDS AND TRAFFIC MANAGEMENT	RESTRICTIONS WITH SUPERV	ISOR	
	TASK TYPE: ERA/VC GOORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: LOW	
A1.3.1.10.1	PERFORM VSCS, Receiving G/G Communications *review traffic conditions and traffic management parameters*			
A1.3.1.10.2	A PERFORM VSCS. Initiating G/G Communications **review traffic conditions and traffic management parameters*			
A1.3.1.10.3	PERFORM TEM M.1. Receiving ATC Ma *review traffic conditions and tra management parameters* A			
A1.3.1.10.4	PERFORM TEM M.2, Sending ATC Mail *review traffic conditions and tra management parameters*			

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TASK NUMBER /		TASK S	STATEM	ENIS ,	/ DATA					NO. 0
ELEMENT NUMBER		TASK I	ELEMEN	T STA	TEMENIS				OBJECTS	OBJEC
.1.3.1.1Ø	REVIEW TRAF	FIC D	EMANUS	AND	TRAFFIC MANAGEMENT RES	TRICTIONS	WITH	SUPERV	VISOR	
	TASK T	YPE:	ERA/V	·c	CGORD MEDIA: V/M	FREQU	NCY:	LCH.	CRITICALITY: LOW (Continued)	
A1.3.1.10.5										 1
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Flig for t	nt_Dot raffic	a_Dis info	_Situation_Display, play, and _Special_Lis rmation	sts		F1: Spo	ight Dota Display ecial_Lists	1
A1.3.1.11	RECEIVE SUP	ERVIS	OR BRI	EF ING	ON WHAT TRAFFIC CONDI	TIONS TO	XPECT			
	TASK T	YPE:	VC/A		COORD MEDIA: V	FREQU	NCY:	F.OM	CRITICALITY: LOW	
A1.3.1.11.1		PERFO Commu upper	RM VSC micati winds	CS. R ions s, and	ecelving G/G *amount of traffic, weather during a r time period*					
A1.3.1.11.2					mution relating to conditions					
A1.3.1.12	REQUEST TRA	AFFIC	MANAGE	MENT	ADVISORIES					
	TASK T	TYPE:	R/E		COORD MEDIA:	FREQL	ENCY:	LOM	CRITICALITY: LOW	
A1.3 1.12.1					y_Special_List messag nent advisory list*	e			isplay_Special_List	1
A1.3.1.12.2		EXECL	JTE _D:	isplay	_Specialist message			Đi	isplay_Special_List	1
A1.3.1.12.3		DETECT appearance of _Traffic_Management_Advisr y_List						Tr	raffic_Management_Advisory_List	1
A1.3.1.12.4					management informationagement_Advisory_Lis			Tr	raffic_Management_Advisory_List	1
A1.3.1.13	RECEIVE AP	PROVAL	OF R	EQUES.	FOR EXCEPTION TO FLO	W RESTRIC	ION			
	TASK	TYPE:	R/VC		COORD MEETA: V/M	FREQ	ENCY:	LOW	CRITICALITY: LOW	
A1.3.1.13.1		PERF(	ORM VS unicat	CS, F ions	Receiving G/G *approval for excepti gement porameter*					<b></b>
A1.3.1.13.2		*app	coval	for e	, Receiving ATC Moil xception to traffic riction*					
A1.3.1.14	RECEIVE DE	NIAL	or req	UEST	FOR EXCEPTION TO FLOW	RESTRICTI				
			R/VC		COORD MECIA: V/M			rom	CRITICALITY: LOW	
A1.3.1.14.1		Comm	unicot	10.15		to				<b></b>
A1.3.1.14.2		#den		exce	. Receiving ATC Muil ption to traffic meter*					
A1.3.1.15		-			RESTRICTION VIOLATION					
	TASK	TYPE:	A		COORD MEDIA:	FREQ	JENCY :	LON	CRITICALITY: H1	
A1.3.1.15.1		rout mete ment	e, air ring, ul pic	port, and t ture	raft, speed, altitude, traffic management/ ime information into c with regard to possibl n violutions	נ				

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TACV NILMOTO	TASK STATEMENTS / DATA		NO. CF
TASK NUMBER ELEMENT NUMB			08JECTS
A1.3.1.15	DETERMINE VALIDITY OF FLOW RESTRICTION VIOLATION INDI		
	TASK TYPE: A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: HI (Continued)	
A1.3.1.15.2	COMPARE potential flow restriction violation situation with pilat intentions and/ or planned control actions	••••••	
A1.3.1.15.3	ASSESS the volidity of the _Flow_Restriction_Conflict_Alert in consideration of the mental traffic and flow picture	Flow_Restriction_Conflict_Alert	1
A1.3.1.15.4	ASSESS the validity of the Trial Plan Flow Restriction Conflict Al ert in consideration of the mental traffic and flow picture	Trial_Plan_Flow_Restriction_Conflict_Alert	1
A1,3,1,16	REQUEST METERING ADVISORY LIST		
	TASK TYPE: E/R COORO MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	7
A1.3.1.16.1	INITIATE _Cisplay_Special_List *metering advisory list*	Display_Special_List	î
A1.3.1.16.2	EXECUTE _Display_Special_List message	Display_Special_List	1
A1.3.1.16.3	DETECT appearance of _Metering_Advisory_List	Metering_Advisory_List	1
A1.3.1.16.4	FXTRACT _Metering_Advisory_List_Header and _Metering_Advisory_List_Entry on _Metering_Advisory_List for new/ changed metering information	<pre>Metering_Advisory_List_Header Metering_Advisory_List_Entry Metering_Advisory_List</pre>	1 1 1
A1.3.2.1	PERCEIVE AN ALTITUDE OR ROUTE DEVIATION		
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED	
A1.3.2.1.1	ACQUIRE Fosition Symbol, Data_Block, Background Descriptor, and Weather Descriptor on Situation_Display for potential Violation of altitude/ lateral/ speed conformance	Position_Symbol Data_Block Buckground_Descriptor Weather_Descriptor Situation_Display	30 27 1 2
A1.3.2.1.2	A/O  ACQUIRE Flight Data Entry and Time on Flight Data Display for information pertuning to potential violation of altitude, speed, or route conformance criteria	Flight_Data_Entry Time Flight_Data_Display	27 1 1
A1.3.2.1.3	SYNTHESIZE route, altitude, speed, time, airway, special use airspace, weather, and aircraft data into a mental traffic picture with regard to potential violation of conformance criteria*		
A1.3.2.1.4	RECOGNIZE potential violation of altitude, speed, or route conformance criteria		
A1.3.2.2	OBSERVE AIRCRAFT RESUMING NORMAL FLIGHT PLAN		
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED	
A1.3.2.2.1	SEARCH _Position_Symbol, _Full_Data_Block, _Track_Vector, and _Position_Bistory on _Situation_Display to monitor aircraft's return to previously cleared course	Position_Symbol Full_Dato_Block Track_Vector Position_History Situation_Display	1 1 1 1

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TASK NUMBER /				NT3 / DATA							NO. OF
ELEMENT NUMBE	R T	ASK F	LEMENT	STATEMENTS				OE	BJECTS		OBJECT:
A1.3.2.2	OBSERVE AIRC	RAFT	RESUMI	NG NORMAL FLIGHT PL	AN						
	TASK TY	PE :	R/A	COORD MEDIA:		FREQUENCY:	LOW		CRITICALITY: MED	(Continued)	
A1.3.2.2.2	D	ETECT	chanc	es in movement of							1
	_	Posit Track	:1on_Sy :_Vecto	mbol, Full_Data_8: or, and _Position_H:	ock, story			Track_'	on_Symbol atu_Block Vector on_History		1 1
	_		-					Positi	on_History		1
A1.3.2.2.3				rcraft responding ( cleared course	and						
A1.3.2.3	DETERMINE MA	NEUV	R TO E	STABLISH/ RESTORE	LIGHT PLAN	CONFORMANCE	 E				
	TASK TY	PE:	A	COORD MEDIA:		FREQUENCY:	LOW	l 	CRITICALITY: MED		
A1.3.2.3.1	I	NTEG	RATE _F	ull_Data_Block,				Full_0	cta_Block		1
	ī	Posi nto ≀	tion_Sy mental	Full_Data_Block, ymbol, and _Flight_ traffic picture to	Jota_Entry determine			Positi Flight	on_Symbol _Data_Entry		1 1
		ue c	ype of ct dev:	moneover riecessor à	to			·	=		
A1.3.2.3.2	F	ORMU	LATE o	clearance and appr	opriute						
				s to place an aircr limits of previous							
		lear		11m103 01 pi 041003	17 133000						
A1.3,2.4	RECEIVE CUNT	ROLL	er not	ICE OF AIRCRAFT FLI	GHT PLAN DE	VIATION					
	TASK TY	PΕ:	R/VC	COORD MEDIA:	V/M	FREQUENCY:	LOP	1	CRITICALITY: MED		
A1.3.2.4.1				M.1. Receiving AT							
				oircroft deviation te, speed, or altit							
A1.3.2.4.2				0 S, Receiving G/G							
				ons  *notice of air rom cleared route,							
	(	ltit	ude*								
A1.3.2.5	INFORM CONTE	OLLE	R/ SUP	ERVISOR OF AIRCRAFT	FLIGHT PLA	N DEVIATION			·		·
	ĭask t	PE:	E/VC	COORD MEDIA:	V/M	FREQUENCY:	LO	ų	CRITICALITY: MED		
A1.3.2.5.1	<del>-</del> 1	PERFO	RM VSC	S, Initiating G/G							
	(	Commu	nicoti	ons *informing sup oller of aircraft o	ervisor or levigtion*						
   A1.3.2.5.2				0 ! M.1, Sending ATC							
		info	rming	supervisor or other							
	,	contr	olier	of aircraft deviati	,on <b>≂</b>						
A1.3.2.6	DETECT LATE	RAL/	ALTITU	IDE NONCONFORMANCE	NDICATION						
	TASK T		R	COORD MEDIA:		FREQUENCY:					
A1.3.2.6.1		DETE		conformance_With_I				Nonco	nformance_With_lts	_Paired_Flight_Plan	
		Ligh! Posi!	L_Plen Lion Sy	from _Track_Status /mbol, Leader Line,	in Full Data			Track	_Status		1
]				Portial Data Block A/O							
A1.3.2.6.2		EXTR	ACT_Co	ollsign, Loteral N	onconforman			Calls		Industrie	1
1		e_In	dicato	or and _Altitude_No from _Full_Data_B	lock on			Altit	al_Nonconformance_ ude_Nonconformance		1
i		Situ	ation (	Display A/O				Full_	Data_8lock		1

	Task Elei	ment Report	
TACK AUMOCO	TASK STATEMENTS / DATA		NO OF
TASK NUMBER ELEMENT NUMB	AND R TASK ELEMENT STATEMENTS	OBJECTS	NO. OF OBJECTS
A1.3.2.6	DETECT LATERAL/ ALTITUDE NONCONFORMANCE INDICATION		
	TASK TYPE: R COCRD MEDIA:	FREQUENCY: LOW CRITICALITY: HI (Continued)	
A1.3.2.6.3	DETECT Lateral Nonconformance Indicator or Altitude Nonconformance Indicator from Flight Data Display	Lateral_Nonconformance_Indicator Altitude_Nonconformance_Indicator Flight_Oato_Entry	1 1 1
A1.3,2.7	REQUEST RECONFORMANCE AID		
	TASK TYPE: E/K COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1.3.2.7.1	INITIATE _Reconformance_Aid message	Reconformance_Aid	1
ч1.3.2.7.2	EXECUTE _Reconformance_Aid message	Reconformunce_Aid	1
A1.3.2.7.3	DETECT _Trial_Plan_Readout *reconformance aid message results* from _Flight_Data_Readout_Area on Flight Data Display		4 1
A1.3.2.8	EVALUATE TRIAL PLAN GENERATED BY RECONFORMANCE AID	FOR APPROPRIATE ALTITUDE/ ROUTE	
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1.3.2.8.1	EVALUATE _Trial_Plan_Readout to determine appropriate altitude or route correction	Trial_Plan_Readout	4
A1.3.2.9.2	DECIDE if _Triol_Plan_Information has appropriate adltitude/ route	Trial_Plan_Information	1
A1.3.2.9	REQUEST DISPLAY OF FDE FOR FLIGHT PLAN		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED	
A1.3.2.9.1	<pre>INITIATE _Request_flight_Data_Readout message to observe a specific flight plan</pre>	Request_Flight_Cata_Readout	1
A1.3.2.9.2	EXECUTE _Request_Flight_Data_Readout message	Request_Flight_Data_Readout	1
A1.3.2.9.3	DETECT appearance of _Flight_Data in _Flight_Data_Readout_Area	Flight_Data Flight_Data_Readout_Area	1
Λ1.3.2.1Ø	EVALUATE FLIGHT DATA TO DEFERMINE FUTURE COURSE OF	ACTION	
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: HI CRITICALITY: MED	
A1.3.2.10,1	ACQUIRE Flight Data Entry on Flight Data Display or Flight Data in Flight Data in Flight Data in Information pertaining to nonconformanc situation	Flight_Data_Entry Flight_Oata_Display	1 1 1
A1.3.2.1Ø.2	INTEGRATE route, altitude, and aircraft information with conformance criteria t determine course of action		
A1.3.2.10.3	DECIDE action needed to resolve nonconformance situation		
A1.3.2.11	EVALUATE LATERAL NONCOMFORMANCE INDICATION FOR ACT		***************************************
A1 / 2 33 5	TASK TYPE: R/A COGRO MEDIA:		
A1.3.2.11.1	ACQUIRE Position Symbol, Datu_Block, _Background Descriptor, _Weather_Descriptor, and _Geographic_Map_Data on Situation Display for nonconformance situation _A/O	Position_Symbol Duta_Block Bockground_Descriptor Weather_Descriptor Geographic_Map_Oata	30 27 1 2 1

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TASK NUMBER /		EMENTS / DATA AND			NO. OF
ELEMENT NUMBE	R TASK ELEN	NENT STATEMENTS		OBJECTS	GBJECT
1.3.2.11	EVALUATE LATERAL NO	CONFORMANCE INDICATION FOR	ACTION NEEDED		
	TASK TYPE: R//	COORD MEDIA;	FREQUENCY: LOW	CRITICALITY: HI (Continu	ed)
A1.3.2.11.2	ACQUIRE nonconfo	Flight_Data_Entry for mance data	F1	ight_Dota_Entry	27
A1.3.2.11.3	special informat	ZE position, roune, airway, use airspace, and aircraft ion into a mental picture of mance situation	the		
A1.3.2.11.4		possible courses of mance action			
A1.3.2.12	EVALUATE ALIITUDE N	ONCONFORMANCE INDICATION FOR	ACTION NEEDED		
		A COORD MEDIA:		CRITICALITY: HI	
A1.3.2.12.1		Full_Data_Block of aircraft nonconformance data on on_Display	with Fu Si	ll_Dota_Block tuation_Display	1
A1.3.2.12.2	_Pilot-R	_Mode_C_Altitude. eported_Altitude or d_Altitude from _Full_Data_B	Pi lock As	de_C_Altitude lot-Reported_Altitude signed_Altitude  ll_Data_Block	1 1 1
A1.3.2.12.3		possible courses of mance action			
A1.3.2.13	EVALUATE UNREASONAB	LE MODE C INDICATOR FOR ACTI	ON NEEDLD		
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
A1.3.2.13.1	SYNTHESI _Situati _Flight_ picture	ZE altitude information on on Display and Oota Display into a mental with regard to the Mode Cableness indication	Si	ituation_Display light_Data_Display	1
A1.3.2.13.2	DETERMIN	E the proper course of action	on		
A1.5.2.14	DETECT UNREASONABLE	MODE C INDICATION			
	TASK TYPE: R	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
A1.3.2.14.1	Display	Full_Data_Block on Situation for presence of Reasonableness_Check_Failur	M:	ull_Data_Block ode_C_Reasonableness_Check_Fail	15 ure_Indicatio 1
A1.3.2.14.2	ure_Ind:	Mode_C_Reasonableness_Check cotion in _Full_Data_Block on Display		cde_C_Reasonableness_Check_Fail ull_Data_Block	ure_Indicatio 1 1
A1.3.2.14 3	lure_ln	_Mode_C_Reasonableness_Chec dicator_fromFull_Data_Bloc	ĸ ř	ode_C_Reasonableness_Check_Fail ull_Data_B}ack	15
A1.3.3.1		SUPERVISOR/ PILOT OF AIRSPA		/ RELEASE	
	TASK TYPE: E	/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.3.3.1.1	*notice	TEM M.2, Sending A1C Mail to another controller or sor of the status of airspac tion*	е		

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TASK NUMBER /	(ASK STATEMENTS / AND	DATA			NO. OF
ELEMENT NUMBER		TEMENTS		OBJECTS	OBJECT
1.3.3.1	INFORM CONTROLLER/ SUPERVISO	OR/ PILOT OF AIRSPACE RES	TRICTION IMPOSED/ RE	LEASE	
	TASK TYPE: E/VC			CRITICALITY: MED (Continued)	
11.3.3.1.2					
1.3.3.1.3	PERFORM VSCS. (	Communicating Normally advising a pilot of the ated airspace*			
1.3.3.2	ENTER AIRSPACE RESTRICTION S	STATUS CHANGE			
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
A1.3.3.2.1		Status Data Change use/ release times for		:m_Status_Data_Change	1
41.3.3.2.2	EXECUTE _Select_0 message	Display_Of_Status_Data	Selec	ct_Display_Of_Status_Data	1
11.3.3.2.3	DETECT oppearanc _Special_Use_Air _System_Status_D _Geographic_Map_ _Situation_7ispl	e of revised emphasized space_Status on the ata_Dīsp]ay and/ or Data on ay	Geogr	ial Use Airspace Status em Status Dota Dīsplay -aphic Map Data ution Dīsplay	† 1 1
A1.3.3.3	RECEIVE REQUEST FOR USE OF	SPECIAL USE AIRSPACE FRO	M SUPERVISOR/ CONTROL	LER/ PILOT	
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.3.3.5.1	PERFORM TEM M.1, *request from an	Receiving ATC Mail other controller or se of special use			
	Communications	*request from another pervisor for use of			
A1.3.3.3.3	PERFORM VSCS. C	Communicating Normally request from pilot for use airspace*			
A1.3.3.4	DETERMINE RESTRICTIONS TO L	SEKS NECESSARY WITHIN RE	LEASED AIRSPACE	~4~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
A1.3.3.4.1	traffic picture	railable data into mental to project effect of strictions on all users			
A1.3.3.4.2	applied for user	y restrictions to be rs of released airspace			
A1.3.3.5	OBSERVE DISPLAY OF AIRSPACE				
	TASK TYPE: R	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
A1.3.3.5.1	_Situation_Disp:	ohic Map Data on lay *for information irspace restriction		graphic Mop Data pation_Display	î 1

		Tosk Eler	ment Report					
TASK NUMBER /	TASK STATEMENTS / DAY AND				NO. OF			
ELEMENT NUMBE	AND TASK ELEMENT STATEME			OBJECTS	OBJECTS			
41.3.3.5 CBSERVE DISPLAY OF AIRSPACE RESTRICTION STATUS CHANGE								
	TASK TYPE: R COO	RD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED (Continued)				
A1.3.3.5.2	ACQUIRE Specia) Use System Status Data altitude(s) in use, controlling agency	Display for	<u> </u>	Special Use_Airspace_Status System_Status_Data_Display	1			
11.3.3.5.3	COMPARE new special restriction change w airspace parameters	ith special use						
A1.3.3.5.4	RECOGNIZE difference and changed airspace							
A1.3.3.6	RECEIVE NOTICE OF AIRSPACE REST	RICTION/ RELEASE						
	TASK TYPE: R/VC COO	RD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED				
A1.3.3.6.1	PERFORM TEM M.1, Re *notice of airspace release* O	ceiving ATC Mail		<del></del>				
A1.3.3.6.2	PERFORM VSCS, Recei Communications *not restriction/ release O	ice of airspace						
A1.3.3.6.3	PERFORM VSCS, Commu Air-To-Ground *noti restriction/ release	ice of airspace e from pilot*						
A1.3.4.1	DETERMINE DESCENT TIME OR POIN							
	TASK TYPE: R/A CO	ORD MEDIA:	FREQUENCY: HI	CRITICALITY: MED				
A1.3.4.1.1	and Background Desi Weuther Descriptor Situation Display applicable to estab patterns	on for information		Position_Symbol Data_Block Background_Descriptor Weather_Descriptor Situation_Display	30 27 1 2			
A1.3.4.1.2	A/O ACQUIRE _Traffic_Ma t for troffic monay	nagement_Advisory_Li ement_constraints	s	Traffic_Management_Advisory_List	1			
A1.3.4.1.3	SYNTHESIZE altitude flow restriction in mental traffic pict establishing arriva	formation into a ure with regard to						
A1.3.4.1.4	DECIDE descent time aircraft	or point for each						
A1.3.4.2	PROJECT TRAFFIC SEQUENCE TO ES	TABLISH/ MODIFY APPR	OACH FLOW TO AIRE	PORT OR SECTOR				
	TASK TYPE: A CO	ORD MEDIA:	FREQUENCY: HI	CRITICALITY: HI				
A1.3.4.2.1	on _Situātion_Displ pertaining to aircr near this sector	ymbol and _Data_Bloc ay for information aft landing in or		Position_Symbul Data_Bluck Situation_Display	30 27 1			
A1.3.4.2.2	A/O ACQUIRE Flight_Dot Flight_Data_Displa Tanding in or near	a_Entry and _Time on y for aircraft this sector		Flight_Doto_Entry Time Flight_Doto_Display	27 1 1			

	Task E3	ement Report	
TASK NUMBER .	TASK STATEMENTS / DATA / AND		NO. OF
ELEMENT NUMB		OBJECTS	ORJECTS
41.3.4.2	PROJECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY APPR	ROACH FLOW TO AIRPORT OR SECTOR	
	TASK TYPE: A COORD MEDIA:	FREQUENCY: HI CRITICALITY: HI (Continued)	
A1.3.4.2.3	RECOGNIZE aircraft landing in this sector based on _Destination_ or _Destination_Airport in _Full_Data_Blo or _Flight_Data_Entry	Destination_ Destination_Airport	1 1 15 1
A1.3.4.2.4	SYNTHESIZE extracted destination information into mental picture of arrival flow of aircroft in or near sector		
Ai.3.4.3	OBSERVE METERING ADVISORY LIST FOR METERING REQUI	REMENTS	
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: MED CRITICALITY: MED	
A1.3.4.3.1	ACQUIRE <u>Metering</u> Advisory List Header and <u>Metering</u> Advisory List Entry on <u>Metering</u> Advisory List	Metering Advisory List Header	1 1 1
A1.3.4.3.2	SYNTHESIZE airport, fix, speed, descen type, aircraft, conformance and confly information into mental picture of metering requirements		
A1.3.4.4	REQUEST AIRCRAFT BE REROUTED	··	
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW CRITICALITY: MED	
A1.3.4.4.1	PERFORM VSCS. Initiating G/G Communications *request dircraft be rerouted*		
A1.3.4.4.2	O PERFORM TEM M.2, Sending ATC Mail *request for reroute of an aircraft*		
A1.3.4.5	PROJECT MENTALLY THE RANGE/ BEARING BETWEEN AIRCR		
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: HI CRITICALITY: HI	
A1.3.4.5.1	ACQUIRE Position Symbol, Full Data Block, and Background Descriptor on Situation Display for information pertaining to mental projection of range/ bearing between aircraft	Position_Symbol Full_Gato_Block Background_Descriptor Situation_Display	2 2 1 1
A1.3.4.5.2	EXTRAPOLATE the range and bearing between aircraft from range rings, longitudinal scale, speed, and other pertinent information		
A1.3.4.6	PROJECT MENTALLY THE ARRIVAL FLOW FOR AIRCRAFT L	ANDING IN UR NEAR THIS SECTOR	
	TASK TYPE: A COORD MEDIA:	FREQUENCY: HI CRITICALITY: HI	
A1.3.4.6.1	ACQUIRE Position Symbol and Data Block on Situation Display for Information pertaining to aircraft landing in on near this sector	Position_Symbol	30 27 1
A1.3.4.6.2	A/O  ACQUIRE _flight_Data_Entrv and _Time _Flight_Data_Display *for precept landing in or near this sector*	on Flight_Data_Entry Time Flight_Data_Display	15 1 1

			Task Eleme	ant Report		
TASK NUMBER /		TASK STATEMENT				NO. OF
ELEMENT NUMBER /	₹	TASK ELEMENT S			OBJECTS	OBJECT
1.3.4.6	PROJECT MEI	NTALLY THE ARRI	VAL FLOW FOR AIRCRAFT LANDI		HIS SECTOR	
	TASK	TYPE: A	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: HI (Continue	d)
1.3,4,6,3	•••••		craft landing in or near			
11.3.4.6.4		time, and airc	stination, fix, arrival craft information into e of aircraft arrival flow e sector			
41.3.4.7	ISSUE NEW	ATIS CODE				
	TASK	TYPE: VC	COORD MEDIA: V	FREQUENCY: MED	CRITICALITY: MED	
A1.3.4.7.1		PERFORM VSCS,	Initioting G/G s *issue new ATIS code to			
A1.3.4.8	INFORM PIL	N NIATBO OT TO	EW ATIS INFORMATION		·	
	TASK	TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: LOW	
A1.3.4.8.1						
A1.3.4.9	ISSUE NEW	ATIS INFORMATI				
	TASK	TYPE: VC	COORD MEDIA: V	FREQUENCY: MED	CRITICALITY: LOW	
41,3,4,9,1	·	Air-To-Ground information t	•			***************************************
A1.3.5.1	VALIDATE N	MODE C ALTITUDE				
	TASK	TYPE: R/A	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: HI	
A1.3.5.1.1		SEARCH Full_ _Situation_Di	Data Block on splay for information reraft Mode C altitude		Full Bata_Block Situation_Display	1
A1.3.5.1.2			e_C_Altitude and Situde from _Full_Data_Block Display		Mode_C_Altitude Assigned_Altitude Full_Dota_Block	1 1 1
A1.3.5,1.3		altitude* ar	e_C_Altitude _*current dAssigned_Altitude ussigned* with the ded_Altitude		Mode_C_Altitude Assigned_Alcitude Pilot-Reported_Altitude	1 1 1
A1.3.5.1.4		DECIDE the vo	alidity of _Mode_C_Altitude r dircraft		Mode_C_Altitude	1
A1.3.5.2		ORTED ALTITUDE				
	TASK	TYPE: E	COORD MEDIA:	FREQUENCY: ME	D CRITICALITY: MED	
A1.3.5.2.1		INITIATE _Rep	ported_Altitude message *to rted oltitude*.	·	Reported_Altitude	1
A1.3.5.2.2		EXECUTE _Repo	orted_Altitude message		Reported_Altitude	1
A1.3.5.2.3		and/ or _Flig information : the Flight Do	rance of Reported_Altitude ght_Dota_Entry_Notation in the _Flight_Dota_Entry on ata_Display A/O		Reported_Altitude Fiight_Doto_Entry_Notation Flight_Data_Entry	1 1 1

	Task E1	ment Report	
TASK N. MARER /	TACK STATEMENTS / DATA		NO. 0
ELEMENT NUMBER	TASK ELEMENT STATEMENTS TASK ELEMENT STATEMENTS	OBJECTS	OBJECTS
	R REPORTED ALTITUDE		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: MED CRITICALITY: MLD (Continued)	
11.3.5.2.4	DETECT appearance of Reported_Altitude information in _Fuil_Data_Block on Situation Display	Reported_Altitude Fuli_Doto_Block	1
1.3.5.3 RECE	IVE NOTICE OF MISSED APPROACH	·	
	TASK TYPE: R/VC COORD MEDIA: V/F	FREQUENCY: LOW CRITICALITY: EXT	
11.3.5.3.1	PERFORM VSCS. Receiving G/G Communications *notice of missed approach*		
1.3.5.3.2	O PERFORM VSCS, Communicating Normally Air-To-Ground *notice of missed approach*		
11.3.5.3.3	DETECT emphicsized Data Block on the Situation Dlay *To receive control of an arrival that has executed a missed approach*		1
A1.3.5.4 PROJ	ECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY DEPA	RTURE FLOW	******
	TASK TYPE: A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: HI	
A1.3.5,4,1	ACQUIRE _Runway_Configuration and _Departure_Route on _Airport_Environmental_Data_Display for information pertaining to aircraft departures	Runway_Configuration Deporture Route	1 4
41.3.5.4.2	A/O  ACQUIRE _Position_Symbol and _Data_Bloc on _Situation_Display for information affecting circraft deporting in or through this sector	k Position_Symbol Data_Bluck Situation_Disp!cy	3Ø 27 1
11.3.5.4.3	A/O  ACQUIRE _Flight_Data_Entry and _Time or _Flight_Data_Display *for aircraft deporting in or through this sector*	Time	27 1 1
A1.3.5.4.4	RECOGNIZE aircraft departing in or through this sector based on Departure Point, Proposed Departure me, or Actual Departure Time on Flight Data Entry on Flight Data Display	Departure_Point Proposed_Departure_Time i Actual_Departure_Time Flight_Data_Entry	1 1 1 1
A1.3.5.4.5	A/G RECOCNIZE orcraft deporting in or through this sector through matching _Callsign in _Flight_Data_Entry ond _Departure_List	Collsign Flight_Data_Entry Departure_List	1 15 1
41.3.5.4.6	SYNTHESIZE dirport, departure, callsig fix, and time information into mental picture of departure flow in relation overall traffic picture		
41.3.5.4.7	PROJECT traffic sequence to establish/ modify departure flow based on mental traffic picture		
A1.3.6.1 OBSE	ERVE AIRSPACE INTRUSTON BY A NON-CONTROLLED OB	 JECT	
	TASK TYPE: R COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED	
A1.3.6.1.1	SCAN _Target_Position_Symbol and _Data_Black on _Situation_Display for possible non-controlled object	Target_Position_Symbol Deta_Black Situation_Display	30 27 1

		Task Element Report	
TASK NUMBER /	TASK STATEMENTS / DATA ANU R TASK ELEMENT STATEMENTS	CO NOTO	NO. OF
ELEMENT NUMBE	R TASK ELLMENT STATEMENTS	OBJECTS	OBJECTS
	OBSERVE AIRSPACE INTRUSION BY A NON-COM		
	TASK TYPE: R COORD MEDIA	FREQUENCY: LOW CRITICALITY: MED (Continued)	
A1.3.6.1.2	DETECT _Target_Position_Symt associated with _Data_8Tack *non-controlled_object*	l not Target Positian_Symbol Data_Block	1 1
A1.3.6.2	ENTER CONTROLLER NOTE		
	TASK TYPE: E COORD MEDI/	FREQUENCY: LGW CRITICALITY: LOW	
Ai.3.6.2.1		sage Controller_Note	1
A1.3.6.2.2	EXECUTE _Controller_Note me:	sage Controller_Note	1
41.3.6.2.3	OCTECT appearance of control note on _Controller_Notepad	Display	1
41.3.6.3	FLIGHT-FOLLOW AN OBSERVED NON-CONTROLLI	D OBJECT	
	TASK TYPE: E/R/A COORD MEDI	FREQUENCY: LOW CRITICALITY: MED	
A1.3.6.3.1	INITIATE Track message to track/ flight follow non-co object	tort o Track	1
A1.3,6.3.2	EXECUTE _Track message	Track	1
A1.5.6.3.3	DETECT appearance of _Full_ the _Situation_Display whe non-controlled object become data_block	Situation_Display	1
1.3.6.3.4	ASSESS track movement of no object		
A1.3.6.4	FORWARD NOTICE OF AIRSPACE INTRUSION B	A NON-CONTROLLED OBJECT	
	TASK TYPE: E/VC COORD MEDI	: V/M FREQUENCY: LOW CRITICALITY: LOW	
A1.3,5.4.1	PERFORM TEM M.2. Sending A *notice of dirspace intrusi non-controlled object* O	C Mail n by	
A1. <b>3.</b> 6.4.2	PERFORM VSCS, Initiating ( Communications *notice of intrusion by non-controlled	irspace object*	
A1.3.6.5	RECEIVE NOTICE OF AIRSPACE INTRUSION E	A NON-CONTROLLED OBJECT	
	TASK TYPE: R/VC COORD MED!	: V/M FREQUENCY: LON CRITICALITY: LOW	
A1.3.6.5.1	PERFORM VSCS, Receiving G Communications *netice of intrusion by mon-controlled O	nirspace	
A1.3.6.5.2	PERFORM TEM M.1, Receiving *notice of airspace intrus.non-controlled object*	on by a	
A1.3.7.1	RECEIVE CONTROLLER/ SUPERVISOR REQUES	FOR TEMPORARY USE OF AIRSPACE	
	TASK TYPE: R/VC COORD MED	A: V/M FREQUENCY: LOW CRITICALITY: MED	
A1.3.7.1.1	PERFORM TEM M.1, Receivin *request from controller/ use of airspace*	AFC Mail	

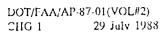
		Task	Element Report		
TASK NUMBER /	TAEK STATEMEN	ITS / DATA			NO OF
ELEMENT NUMBER	AND TASK ELEMENT	STATEMENTS		OPJECTS	NO. OF CBJECT
1.3.7.1 RE	ECEIVE CONTROLLER/ SUPE	RVISOR REQUEST FOR TEMPO	RARY USE OF AIRSPACE		
	TASK TYPE: R/VC	CCORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED (Continued)	
0.3.7.1.2	Communication	Receiving G/G is *request from supervisor for use of			
1.3.7.2 F	CRWARD AFPROVAL FOR TEM	MPORARY USE OF ALRSPACE			
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
(13.11)	*notice of a	1.2. Sending ATC Mail rspace release *			
3.3 7.2.2	PERFORM VSCS.	) Initiating G/G ns *notice of airspace			
41 <b>3. 7.3</b> F	ORWARD DENIAL OF TEMPOR	RARY USE OF AIRSPACE		·	
	TASK TYPE: E/VC	CGGRD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
41.3 7.3.1	*notice of de airspace rele	• • •			*******
41.3.7.3.2	PERFORM VSCS Communication	) , Initiating G/G ns *notice of denial of airspace release*			
 41 3.7.4 S	UPPRESS MAP ASSOCIATED	WITH TEMPORARY USE OF A	IRSPACE		
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
A1,3 7,4,1	_Map_Datu_me	hibit_Category_Of_Geogra ssage = *suppress display e airspace boundary*	phic In of	hibit_Category_Of_Geographic_Map_Data	1
41,3,7,4,2	EXECUTE _Inh Mop_Data mes	ibit_Cate_ory_Of_Geograp sage	hic_ In	hibit_Category_Of_Geographic_Map_Data	1
A1.3.7 4.3	_Special_Use	ppression of _Airspace_Boundary from Map_Data on Situation		ecial_Use_Airspace_Boundary ographic_Map_Data	1
A1.3.7.5 0	DISCUSS RELEASE OF AURS	PACE FOR TEMPORARY USE W	TIN SUPERVISOR/ GIPER	CONTROLLER	
•		CUCRD MEDIA: V			
A1 3.7.5.1	PERFORM VSCS	. Initiating G/G ns: *release of airspace			•••••
41.3 7.5.2		A . Receiving G/G ns *release of airspace e*	for		
41.3.7.5.3	EVALUATE mer	its of equipment release			
a1 3.7.6 5	SELECT MAP DISPLAY OF A	GAPTED AIRSPACE REQUESTE	D FOR USE BY ANOTHER (	CONTROLLER	
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
		:lecr_Category_Of_Geograp		elect_Category_Of_Geographic_Map_Data	<b></b> 1

			<b></b> -		ement Report			
TASK NUMBER / ELEMENT NUMBER		TASK PTATEMENTS / DATA AND TASK ELEMENT STATEMENTS				OBJECTS		
A1.3.7.6	SELECT MAP	DISPLAY OF	ADAPTED A:	REQUESTED FO	DR USE BY ANO	THER CON	TROLLER	
	TASK	TYPE: E	COOR	RD MEDIA:	FREQUENCY:	LOW	CRITICALITY: LOW (Continued)	
A1.3.7.6.2		EXECUTE _Se ap_Data mes	:lect_Cate¢ ssaçe	jory_Of_Geographic_N	1	Selec	ct_Category_Cf_Geographic_Map_Data	1
A1.3.7.6.3		DETECT opposition Special Us Geographic Display	se Airspace	e_Boundary in on Situation			ial_Use_Airspace_Boundary raphic_Map_Data	1
A1.3.2.7	EVALUATE F	EASIBILITY (	OF RELEASIN	NG AIRSPACE TEMPORAL	RILY			
		TYPE: R/A		RO MEDIA:	FREQUENCY:	LOM	CRITICALITY: LOW	
A1.3.7.7.1		and Backgr Weather De Situation	osition_Sym round_Descr escriptor o Display	mbol, _Data_Block, riptor, and		Posi Data Back Heat	tion_Symbol _Block ground_Descriptor Her_Descriptor ation_Display	39 27 1 2 1
41.3.7.7.2		Fliant Da	light_Dota ta Oisplay	_Entry and _Time on for information ary release of		Time	nt_Data_Entry :    ht_Data_Disploy	27 1 1
A1.3.7.7.3		airspace, informatio picture wi	sperd, air on into a m	titude, special use craft, and time ental traffic to approving space	:			
*1. <b>3.</b> 7. <b>7.</b> 4				f temporarily o another controlle	er.			
A1.3.7.8	RECEIVE N	OTIFICATION	OF RETURN	OF RELEASED AIRSPAC	<del></del> Œ			
	TASK	TYPE: R/VC	C00	ORD MEDIA: V/M	FREQUENCY	: LOW	CRITICALITY: MED	
A1.3.7.8.1				ceiving ATC Morl of ourspace*			······································	
A1.3.7.8.2			5CS, R∈ceiv	ring G/G lice of release of				
A1.3.8.1	REQUEST 1	EMPORARY USE	E OF AIRSPA	 ICE			***************************************	
	TASK	TYPE: E/VO	000	ORD MEDIA: V/M	FREQUENCY		CRITICALITY: MED	
A1.3.8.1.1		_Static_Tr	ation of ai		Controller_Chart Static_Information_Display		1 1	
41.3.8.1.2		needed for	name or loc r temporary nformation_			Stat	tic_Information_Display	1
A1.3.8.1.3		Communicat altitude,		ating airspace ID, period needed and				

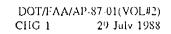
			ment Report		
TASK NUMBER /	YASK STATEMENTS				NO. CF
ELEMENT NUMBER	AND TASK ELEMENT STA			OBJECTS	OBJECT
A1.3.8.1 RE	QUEST TEMPORARY USE OF A	IRSPACE		,	
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED (Continued)	
A1.3.8.i.4	*stating airspac	, Sending ATC Mail ce ID, altitude, time nd requesting use of			
A1.3.8.2 RE	CEIVE RELEASE/ USE OF AIR	RSPACE		***************************************	
	TASK TYPE, R/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: LOW	
A1.3,8.2 1	PERFORM VSCS, 1 Communications airspace*	Receiving G/G *notice of release of		,, <del>, , , , , , , , , , , , , , , , , ,</del>	
A1.3.8.2.2	PERFORM TEM M. 1	, Receiving ATC Mail ase of airspace*			
A1.3.8.3 RE	ECEIVE REJECTION OF USE O	F AIRSPACE			
	TASK TYPE: R/VC	COORU MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1 3.8.3.1	airspace*	Receiving G/G *dunial of use of			·
\$1.3.8.3.2	O PERFORM TEM M.1 *denial of use	, Receiving ATC Mail of airspace*			
A1.3.8.4 F	GRWARD NOTICE OF RETURN O	F RELEASED AIRSPACE			
	TASK TYPE: E/VC	COGRD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.3.8.4.1	PERFORM TEM M. 2	2. Sending ATC Mail ease of airspace*			
A1.3.8.4.2	PERFORM VSCS.	Initicting G/G *notice of release of			
A1.4.1.1 R	ECEIVE CONTROLLER NOTICE	ON REQUESTED CLEARANCE OF	F AIRCRAFT LEAVING F	HIS SECTOR	
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: MED	CRITICALITY: MED	
A1.4.1.1.1	request#	Receiving G/G *notice of clearance		· <del></del>	
A1.4.1.1.2	*notice of clea	1. Receiving ATC Mail arance request*			
Λ1.4.1.2 R		FROM ATCT/ FSS/ PILOT/ SU			
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: HI	CRITICALITY MED	
A1.4.1.2.1	PERFORM TEM M. *relayed cleare	1, Receiving ATC Mail			
A1.4.1.2.2	O PERFORM VSCS, Communications request* O	Receiving G/G *relayed clearance			
A1.4.1.2.3	PERFORM VSCS,	Communicating Normally *clearance request from			

		Task Ele	ment Report		
TASK NUMBER / ELEMENT NUMBE	R TASK ELEMENT STA	TEMENIS		OBJECTS	NO. OF OBJECT
1.4.1.3	RECEIVE CONTROLLER REQUEST			***************************************	
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: HI	CRITICALITY: MED	
11.4.1.3.1	PERFORM TEM M.1, *clearance/ appr 0	Receiving ATC Moil ovul request*			
11.4.1.3.2	PERFORM VSCS, R Communications request*	*clearance/ approval			
A1.4.1,4	FORWARD CLEARANCE REQUEST T				
	TASK TYPE: E/VC	COOR > MEDIA: V/M	FREQUENCY: HI	CRITICALITY: MED	
A1.4.1.4.1	PERFORM TEM M.2, *forward clearar	Sending ATC Mail			
A1.4.1.4.2		Initiating G/G *forward clearance			
A1.4.1.5	REQUEST CLEARANCE/ APPROVAL				
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: HI	CRITICALITY: MED	
A1.4.1.5.1	DECIDE need to with another co	coordinate a clearance ntroller		**************************************	,
A1.4.1.5.2	PERFORM TEM M.2 *clearance/ app A/O				
A1.4.1.5.3	PERFORM VSCS.				
A1.4.1.6	RECEIVE CLEARANCE APPROVAL	/ CLEARANCE RESTRICTIONS	FROM ANOTHER CONTR	OLLER	
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: 1:1	CRITICALITY: HI	
A1.4.1.6.1		, Receiving ATC Mail oval/ restrictions*			
A1.4.1.6.2	PERFORM VSCS,	*clearance approval/			
A1.4.1.7	RECEIVE CLEARANCE DISAPPRO	VAL/ DENIAL FROM ANOTHER	CONTROLLER		
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: HI	CRITICALITY: MED	
A1.4.1.7.1	PERFORM TEM M. 1 *clearance reje	. Receiving ATC Mail ction*			
A1.4.1.7.2	PERFORM VSCS, Communications denial*	Receiving G/G *clearance rejection/			
A1.4.1.8	RECEIVE ALTERNATE SUGGESTI	ON FOR CLEARANCE/ APPROV	/AL REQUESTED OF ANO	THER CONTROLLER	
	TASK TYPE: R/VC	COCRD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.4.1.8.1	PERFORM TEM M.1 *alternate sugg 0	I. Receiving ATC Mail pestion*		·	

	Task Eleme		
TASK NUMBER / FLEMENT NUMBER	TASK STATEMENTS / DATA AND R TASK ELEMENT STATEMENTS	OBNECTS	NO. OF DBJECTS
11.4.1.8 F	RECEIVE ALTERNATE SUGGESTION FOR CLEARANCE/ APPROVAL		
		FREQUENCY: LOW CRITICALITY: MED (Continued)	
A1.4.1.8.2	PERFORM vSCS, Receiving G/G Communications *alternate suggestion*		
A1.4.1.9 F	RECEIVE COMPUTER-GENERATED REMINDER NOTICE ON CLEARA		
	TASK TYPE: R COORD MEDIA:	FREQUENCY: MED CRITICALITY: LOW	
A1,4,1.9.1	SEARCH _Controller_Reminder_List *for reminder of planned action*		1
A1,4,1,9.2	EXTRACT emphosized Aircraft Collsign,	Aircraft Callsign	1
	EXTRACT emphasized _Aircraft_Collsign, _Controller_Reminder_Type *Oltitude change/ restriction, expect further	Controller Reminder Type Message	1
	clearance*, and _Message from _Controller_Reminder_List	Controller_Reminder_List	1
A1,4,1,10	REVIEW POTENTIAL IMPEDIMENTS FOR IMPACT ON PROPOSED	CLEARANCE	
	WASK TYPE: R/A COORD MEDIA:	FREQUENCY: HI CRITICALITY: MED	
A1,4,1,10,1	ACQUIRE _Position_Symbol, _Data_Block,	Position_Symbol	30
	Bockground Descriptor, and Weather Descriptor on	Dato Block Background Descriptor	27 1
	_Situation_Display for information	Weather_Descriptor	2
	pertaining to impact on proposed clearance	Situation_Display	7
A1,4,1.10,2	A/O ACQUIRE _Flight_Data_Entry and _Time on	Flight Data Entry	27
	Flight Data Display for information	Time	1
	pertaining to factors which will impact proposed clearance	Flight_Cata_Display	1
A1.4.1.10.3	SYNTHESIZE altitude, route, weather,		
******	speed, destination, special use airspace		
	and time information into a mental traffic picture with regard to factors		
	which may impact proposed clearance		
41.4.1.10.4	RECOGNIZE factors which will impact proposed clearance		
A1.4.1.11	DETERMINE APPROPRIATE MENTAL OR AUTOMATED PLAN FOR A	AJRCRAFT CLEARANCE	
l	TASK TYPE: A COORD MEDIA:	FREQUENCY: HT CRITICALITY, HI	
A1.4,1,11.1	SYNTHESIZE mental traffic picture to determine controller ocurse of action		engeringene
A1.4,1,11.2	CHOOSE the appropriate course of action		
	*trial plan or controller-generated clearance*		
A1.4.1.12	DISCUSS CLEARANCE ALTERNATIVES WITH PILOT	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	TASK TYPE: VC COORD MEDIA: V	FREQUENCY: LCA CRITICALITY: MED	
A1.4,1.12.1	PERFORM VSCS, Communicating Normally Air-To-Ground *determine the course of action suitable for traffic demands*		
A1.4.1.13	EVALUATE FDE CHANGES FOR CLEARANCE PLANNING OR FULU	RE ACTIONS	
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOw CRITICALI:Y: MED	
A1.4.1.15.1	SCAN _Flight_Data_Entry on the	Flight_Data_Entry	27
l	_Flight_Data_Display for changes in flight data which could affect	Flight_Data_Display	1
	controller planning		



			Task Elem	ent xeport 			
TASK NUMBER /	TASK : TASK !	STATEMENTS AND	/ DATA				NO. OF
	R TASK (					RJECTS	OBJECTS
			EARANCE PLANNING OR FUTUR				
		R/A	COORD MEDIA:	FREQUENCY: LO	M	CRITICALITY: MED (Continued)	
A1.4.1.13.2	EXTRA	CT changes	in flight data from			_Data_Entry	1
	_F119	ht_Data_Ent ht_Data_Di:	cry on		Flight	_Doto_Display	1
A1.4.1.13.3	deter		Pata_Entry changes to t on present or future		Flight	_Duta_Entry	27
A1.4.1.14 (	DETERMINE PRIORI						
	TASK TYPE:	A	COORD MEDIA:	FREQUENCY: HI		CRITICALITY: HI	
A1.4.1,14.1	actio	ns need to	r in which control be implemented				
A1.4.1.15	PERCEIVE NEED FO						
	TASK TYPE:	R/4	COORD MEDIA:	FREQUENCY: HI		CRITICALITY: HI	
A1.4.1.15.1	ACQUI	RE Positi	on Symbol, _Oata_3lock,		Positi Data B	on_Symbol	3Ø
		her_Descrip raphic_Mup			Neathe	r Descriptor	27 1
	_Sıtu perto	intion Disp Fining to n	Data on Tay for informution sed for amended clearance			phic Mep Data ion Display	1 1
A1.4.1.15.2		A/0	_Data_Entry and _Time on		Flight	 ;_Data_Entry	27
	_Fl1g	ht_Jata Di	inlay for information sed for omended clearance		Time	_Dota_Display	1
41.4.1.15.3	_ Մահ ս	RE Aerona	utical_And_Meteorological anautical_Ana_Meteorologi v		Aereno Aerono	sutical_And_Meteorological_Data sutical_And_Meteorological_Data_Displo	1 y 1
A1.4.1.15.4	Airp	RE cirport	environmental data from mmental Data Dislay		Airpor	t_Environmental_Data_Dislay	1
A1.4.1.15.0	AUGUI		other_Product from			eather_Product er_Display	1 1
A1.4.1.15.6	speci and t pictu	ial use air time inform ure with re	tude, noute, weather, space,speed, destination, ation into mental traffic gard to neeu to amend nce				
41.4.1.15.7	pilo		traific plotone with ons and/ or planned				
A1.4.1.15.8		GNIZE need rance	to omend aircraft				
A1.4.1.16	FORMULATE CONTRO	OLLER PLAN	OF ACTION FOR CLEARANCE G				
	TASK TYPE:	Α	CUURU MEDIA:	FREQUENCY: H	I	CRITICALITY: HI	
Λ1.4.1.16.1	nece	DE the requisions of the contract of the contr	cirements and restrictions composing a clearance able information				
A1.4,1.17	EVALUATE MENTAL	FLIGHT PLA	N PROJECTION FOR APPROPRI				
	TASK TYPE:	Α	COURD MEDIA:	FREQUENCY: N	čĐ	CRITICALITY: LOW	
A1.4.1.17.1			ly projected flight plan offic picture				



	Task (	Element Report		
TASK NUMBER /	TASK STATEMENTS / DATA / AND ER TASK ELEMENT STATEMENTS		OBJECTS	NO. OF OBJECTS
<b>-</b>			0000010	
41.4.1.1/	EVALUATE MENTAL FLIGHT PLAN PROJECTION FOR APPROX			
	TASK TYPE: A COORD MEDIA:		D CRITICALITY: LOW (Continued)	
41.4.1.17.2	based upon complete mental picture			
A1.4.1.18	EVALUA E AUTOMATED FLIGHT PLAN PROJECTION FOR AP			
	TASK TYPE: A COORD MEDIA:	FREQUENCY: LO	W CRITICALITY: LOW	
A1.4.1.18.1				1
41.4.1.18.2	ASSESS appropriateness ofTrial_Plan_Route_Display onSituation_Display on the mental traf picture	fic	Trial_Plan_Route_Display Situation_Display	1
A1,4.2.1	DECLARE EMERGENCY AND INVOKE CONTINGENCY PLAN			
	TASK TYPE: ERA/VC COORD MEDIA: V/M	FREQUENCY: LO	W CRITICALITY: EXT	
41.4.2.1.1	DECIDE if an aircraft emergency exist by analyzing the mental traffic pictu and known situation	s		77 T T T T T T T T T T T T T T T T T T
A1.4.2.1,2	PERFORM VSCS, Initiating G/G Communications *inform supervisor an or other controller of decision*	od/		
A1.4.2.1.3	CROSS-REFERENCE _Contingency_Plon_Che ist *review_checklist*	ecki	Contingency_Plan_Checklist	1
A1.4.2.1.4	DECIDE on appropriate contingency pla *decide on plan of action for situate	an .on*		
A1.4.2.1.5	PERFORM VSCS. Initiating G/G Communications *notice of aircraft problems/ contingency plan* A/O			
A1.4.2.1.6	PERFORM TEM M.2, Sending ATC Moil *notice of aircraft problems/ contingency plan*			
A1.4.2.2	RECEIVE NOTICE OF PILOT OR AIRCRAFT HAVING A PRO	DBLEM (E.G., OVERDU	UE, LOSS OF RADIO COMPACT)	
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LO	OW CRITICALITY: EXT	
A1.4.2.2.1	PERFORM TEM M.1. Receiving ATC Mail *novice of pilot or direraft problems 0			
A1.4.2.2.2	PERFORM VSCS, Receiving 0/6 Communications *natical of pilot or aircraft problems* O			
A1.4.2.2.3	PERFORM VSCS. Communicating Normally Air-To-Ground *receive notice from pilot of aircraft problem*	Y		
A1.4.2.3	ISSUE INSTRUCTIONS TO PILOT (NORDO) FOR IDENTIF	TCATION TURN/ TRANS	SPONDER RESPONSE	
	TASK TYPE: VC CCORD MEDIA: V	FREQUENCY: L	ON CRITICALITY: HI	
A1.4.2.3.1	PERFORM VSCS, Communicating Normal) Air-Ta-Ground Missuing instructions aircraft with no transmitter4			

	Tosk Elem	ent Report	
TASK NUMBER /	TASK STATEMENTS / DATA AND		NO. OF
ELEMENT NUMBER		OBJECTS	OBJECTS
\1.4 2.4 [	DETECT A PILOT OR AIRCRAFT PROBLEM (E.G., HYPOXIA, E	XCENTION BEACON CODE)	
	TASK TYPE: R/A/VC COORD MEDIA: V	FREQUENCY: LOW CRITICAL!TY: HI	
41.4.2.4.1	SCAN_Full_Data_Block on Situation	Full_Data_Block	27
	Display for Exception Beacon Code, Lateral NonConformance Indicator, or Altitude Norwonformance Indicator for possible aircraft problem	Exception Beacon Code Lateral Nonconformance Indicator Altitude Nonconformance Indicator	1 1
A1.4.2.4.2	DETECT Exception_Beacon_Code, _Lateral_Nonconformance_Indicator, or _Altitude_Nonconformance_Indicator in the _Full_Data_Block on Situation Display  O	Exception_Seacon_Code l.ateral_Nonconformance_Indicator Altitude_Nonconformance_Indicator Full_Data_Black	1 1 1
41,4.2.4.3	PERFORM VSCS, Communicating Normally Air-To-Ground *detect errotic or abnormal pilot communication behaviors*		
A1.4.2.4.4	INTEGRATE data received to make a decision as to whether a potential problem exists		
41,4.2.5	FORWARD CONTINGENCY INFORMATION TO SUPERVISOR/ ANOTH	ER CONTROLLER	
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW CRITICALITY: HI	
41.4.2.5.1	PERFORM TEM M.2. Sending ATC MAIL *forwarding contingency information* U		**-**
A1.4.2.5.2	PERFORM VSCS. Initiating 6/6 Communications *forwarding contingency information*		
A1.4.2.5.3	INITIATE <u>flight</u> Data Amendment message *to note contingency information in remarks section of flight data entry*	Flight_Data_Amendment	1
A1.4.2,5.4	EXECUTE _Flight_Oata_Amendment message *enter information concerning contingency action*	Flight_Data_Amendment	٦
Λ1.4.2.5.5	DETECT system acceptance of _Flight_Data_Amendment message	Flig.L_Data_Amendment	1
A1.4.2.6	INFORM DESIGNATED PERSONNEL OF AIRCRAFT HAVING FLIG	HT PROBLEMS	
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW CRITICALITY: HI	
A1.4.2.G.1	PERFORM TEM M.2, Sending ATC Mail *sending contingency information*		
A1.4.2.6 2	O PERFORM VSCS, Initiating G/G Communications *sending contingency information*		
A1.4.2.7	REQUEST RELAY OF INSTRUCTIONS TO PILOT (NORDO) FOR	IDENTIFICATION TURN/ TRANSPONDER RESPONSE	
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LCW CRITICALITY: MED	
A1.4.2.7.1	PERFORM TEM M.2, Sending ATC Moil *request another controller aid in attempting to contact a NORDO aircraft* 0		

		Task Eleme	ent Report			
TASK NUMBER	TASK STATEMENTS / AND	DATA			NO. OF	
ELEMENT NUMB		EMENTS		08JECTS	OBJECT:	
1.4.2.7	REQUEST RELAY OF INSTRUCTION	S TO PILOT (NORDO) FOR I	DENTIFICATION TU	IFICATION TURN/ TRANSPONDER RESPONSE		
	TASK TYPE: E/VC	COURD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	(Continuea)	
A1.4.2.7.2	from another cont	requesting assistance roller or facility to instructions to pilot				
A1.4.2.7.3	Air-To-Ground *r	mmunicating Normally equesting a pilot to t another pilot of a ircraft*				
A1.4.2.8	CONDUCT SEARCH FOR AIRCRAFT	WITHOUT RADIO CONTACT				
	TASK TYPE: E/A/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI		
A1.4.2.8.1	DECIDE appropriat search	e course of action for				
A1.4.2.8.2	on overdue aircro controller or fac	requesting information after from another				
A1.4.2.8.3	A/O PERFORM TEM M.2, *requesting infor aircraft* A/O	Sending ATC Mail mation on NORDO				
A1.4.2.8.4	PERFORM VSCS. Co	ommunicating Normally attempt to contact NORDO				
A1.4.2.8.5		nitialing Buckup A/G to set up emengency				
A1.4.2.8.6	PERFORM VSCS. A Display/ Receivi	djusting Communication ng Modes *adjusting n/ standby transmitter/ nt*				
A1.4.2.9	OBSERVE AIRCRAFT TURN/ TRAN	SPONDER RESPONSE FOLLOWIN	NG IDENTIFICATION	N REQUEST	·	
	TASK TYPE: A/R	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI		
A1.4.2.9.1	_Situation_Displ	Symbol, _Data_Block on By for direcaft turn or onse to instructions by		Position_Symbol Data_Block Situation_Display	1 1 1	
A1.4.2.9.2	_Situation_Displ instructions iss			Target_Position_Symbol Position_History Track_Vector Situation_Display	1 1 1 1	
A1.4.2.9.3	_Target_Position in question	te _Reacon_Code in _Symbol of the aircraft		Beacon_Code Target_Position_Symbol	1	
к1.4.2.9.4	A/O DETEC( _ldent_In _Target_Position question	dicator in _Symbol of aircraft in		Ident_Indicator Target_Position_Symbol	1 1	

		IOSK E	lement Report			
TASK NUMBER / ELEMENT NUMBER		T STATEMENTS			OBJECTS	NO. OF OBJECTS
1.4.2.10	CONDUCT RADIO/ RADAR SE	EARCH FOR OVERDUE AIRCRAFT				*************
	TASK TYPE: R/A/V	C COORD MEDIA: V/M	FREQUENCY:	LOW	CRITICALITY: HI	
A1.4.2.10.1		opriate course of action fo	ir			
11,4,2,18,2	and _Backgro _Situation_s change, ide	ition_Symbol, _Data_Block, ound_Descriptor on Display *transponder code nt, or change of heading in ATC clearance* A/O		Data Back	tion_Symbol _Block ground_Descriptor ation_Display	30 27 1 1
A12.18.3	Air-To-Grou overdu∈ air	S. Communicating Normally nd *attempting to contact craft or requesting anothe attempt to contact the				
A1.4.2.10.4	Communicati Service Sta	S, Initiating G/G ons *instructing a Flight tion or others to attempt uverdue aircraft* A/O	to			
A1.4.2.10.5	Aır-To-Grou	S, Ensuring Guard and Communications *monito requencies*	r			
A1.4.2.11	RECEIVE SUPERVISOR NOT	ICS OF EMERGENCY DECLARED	AND CONTINGENCY	PLAN IN	IVOKED	
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY:	L0M	CRITICALITY: EXT	
A1,4,2,11,1	PERFORM VSC Communicati	CS. Receiving G/G Lons *information on declaration and contingency				
A1.4.2.11.2	PERFORM TEN *regarding contingency	O 1 M.1, Receiving ATC Mail emergency declaration and plan*				
A1.4.2,12	RECEIVE SUPERVISOR NO	TICE OF EMERGENCY DELCARED	AND CONTINGENCY	PLAN II	woked	
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY:	LOW	CRITICALITY: HI	
A1,4.2,12.1	Communicat:	_	sor			
A1.4.2.12.2	*notice fr	O M.M.1, Receiving ATC Moil om supervisor to conduct ions search for overdue				
A1,4,2,13		UPERVISOR WILL CONDUCT COM				
	TASK TYPE: R/VC				CRITICALITY: MED	
A1.4.2.13.1	PERFORM VS Communicat	CS, Receiving G/G icns *notice that supervi ct a communications search recraft* 0	sor			

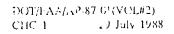
		Task Element Report	
TASK NUMBER /	TASK STATEMENTS / DATA AND		NO. OF
CLEMENT NUMBER	AND TASK ELEMENT STATEMENTS	OBJECTS	CBJECTS
A1.4.2.13 RECEIVE		DCF COMMUNICATIONS SEARCH FOR OVERDUE/ NORDO AIRCRAFT	,
Ť	ASK TYPE: R/VC COORD MEDIA: '	V FREQUENCY: LOW CRITICALITY: MED (Continued)	·
A1.4.2.13.2	PERFORM TEM M.1, Receiving ATC *notice that supervisor will co communications search for overc aircraft*	TC Mail conduct -due	
A1.4.2.14 RECEIV	/E PILOT NOTICE OF EMERGENCY DECLARE		
Ţ	ASK TYPE: R/VC COORD MEDIA:	V FREQUENCY: LOW CRITICALITY: EXT	
A1.4.2.14.1	PERFORM VSCS, Communicating No Air-To-Ground *pilot declures emergency*	normally;	
41.4.2.14.2	O SEARCH _Torget_Position_Symbol _Situation_Disploy for _Beacon *notice of aircraft emergency*	n Code Situation_Display	3∂ l 1
A1.4.2.14.3	DETECT _Exception_Beacon_Code of an emergency or radio failu code*	ure beacon	1
A1,4.3.1 PERCEI	IVE PRESENCE OF SPECIAL OPERATION		
7	FASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: HI	
A1,4,5,1,1	ACQUIRE _Data_Block on _Situation_Display for special operations_aircraft *special callsign(s) which alerts contr use special procedures* A/O	Dota_Block   Situation_Display   oircraft	27 1
A1.4.3.1.2	A/O  ACQUIRE Flight_Data_Entry on _Flight_Data_Display for speci operations alreraft A/O	Flight_Data_Entry ial Flight_Data_Display	27 1
A1,4.3.1,3	ACQUIRE _Special_Use_Airspace_ and_`pecial_Activity on _System_Status_Data_Display fo operations	Special Activity	1 1 1
A1.4.3.2 RECEIV	VE REVIEW/ NOTICE OF SPECIAL OPERATI	ION	
	TASK TYPE: R/VC COORD MEDIA:		
A1.4.3.2.1	PERFORM YEM M.1, Receiving AT *receiving briefing on special operation*		
A1.4.3.2.2	O PERFORM VSCS, Receiving G/G Communications *receiving inf on special operation*	formation	
A1.4.3.3 FORWAR	RD NOTICE OF SPECIAL OPERATIONS TO A	ANOTHER CONTROLLER/ SUPERVISOR	
1	TASK TYPE: E/VC COORD MEDIA:	: V/M FREQUENCY: LOW CRITICALITY: MED	
A1.4.3.3.1	PERFORM TEM M.2. Sending ATC #forward information regarding operation#		
A1 4.3.3.2	O PERFORM VSCS, Initiating G/G Communications *notifying oth personnel of special operation	ther	

		Task Elem	ent Report		
TASK NUMBED .	TASK STATEM	MENTS / DATA			NO. OF
ELEMENT NUMBER	/ AN STATE AN TASK ELEMEN			08JECTS	OBJECTS
A1.4.4.1	OBSERVE NEW FLIGHT PLA				
	TASK TYPE: R	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: MED	
A1.4.4.1.1	ACQUIRE FI _Flight_Dat entry, empt	light Data Entry on the co_Display *new flight dota nosized if monual ement mode is selected*			27 1
A1.4,4.2	REVIEW FLIGHT PLAN FO	R COMPLETENESS			
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: MED	
A1.4.4.2.1	_Flight_Da	ight_Dato_Entry on to_Display to ensure that e_fields are complete		light_Data_Entry light_Data_Display	1
A1.4.4.2.2	ASSESS _F1	ight_Data_Entry completeness	F	light_Data_Entry	1
A1.4.4.2.3	_Flight_Da field to d	t data are missing from ta_Entry *after scanning each etermine if necessory n is available*		light_Data_Entry	1
31.4.4.3	ENTER FLIGHT PLAN				
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
41.4.4.3.1		Flight Plan message for input ght plan data	F	light_Plon	1
41,4,4,3,2	EXECUTE _F	light_Plan message	F	light_Plan	1
31,4,4,3,3	DETECT sys pion	tem acceptance of IFR flight			
3*,4,4,4	ACKNOWLEDGE NEW FLIGH	T PLAN RECEIPT			
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: LOW	
A1,4,4,4,T		Acknowledge FDE Posting acknowledge receipt of a new a entry	Α	Acknowledge_FDE_Posting	1
41,4,4,4,2	EXECUTE _A	cknowledge_FDE_Posting message	A	Acknowledge_FDE_Posting	1
A1,4,4,4,3		stem acceptance of age_FDE_Posting message .s of FDE*	£	Acknowledge_FDE_Post.ing	1
11,4,4,5	REVIEW FLIGHT PLAN F	OR ERRORS/ DATA LIST SEQUENÇE			
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: MED	
A1.4.4.5.1	_Flight_Do	light Data Entry on sto Display for errors and ce sequence in posting list		Flight_Data_Entry Flight_Data_Disple/	1
A1.4.4.5.2	ASSESS co _Flight_D	rrectness of information in ato_Entry	1	Flight_Data_Entry	1
A1.4.4.5. <b>3</b>	_Flight_D field to	at data are incorrect in ata_Entry *ofter scuning each determine correctness of on avoilable*	1	Flight_Octo_Entry	1

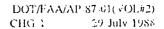
TASK NUMBER /	TASK STATEMENTS /						NO. CF
ELEMENT NUMBE	R TASK ELEMENT STATEMENTS		OBJECTS			OBJECTS	
	REVIEW FLIGHT PLAN FOR ERRORS					,	
	TASK TYPE: R/A C	COORD MEDIA:	FREQUENCY: HI	C	CRITICALITY: 1	MED (Continued)	
A1.4.4.5.4		Data_Entry is in the the posting list on					1
A1.4.4.6	RECEIVE FLIGHT PLAN FROM PILO	 )T					
	TASK TYPE: VC C	COORD MEDIA: V	FREQUENCY: LOW	C	CRITICALITY:	.OM	
A1.4.4,6.1	PERFORM VSCS, Con	nmunicating Normally eceive flight plan from					
A1.4.4.7	RECEIVE FLIGHT PLAN VERBALLY	FORWARDED					
	TASK TYPE: VC (	COORD MEDIA: V	FREQUENCY: LOW	(	CRITICALITY:	LOW	
A1.4.4.7.1	PERFORM VSCS, Red						
A1.4.4.8	QUERY PILOT ABOUT FLIGHT PLAT					*	
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	(	CRITICALITY:	MED	
A1.4.4.B.1		mmunicating Normally uestion pilot reference					
A1.4.4.9	QUERY THE RELAYER OF A FLIGH	T PLAN					
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LOW		CRITICALITY.	ME0	
41.4,4,9,1	PERFORM TEM M.2. Minforming of err						
41.4.4.9.2	PERFORM TEM M.1. #flight plan erro C	Receiving ATC Mail n/ validation*					
41,4,4,9,3	PERFORM VSCS. In	informing of error or					
41,4,4,9,4	PERFORM VSCS. Re	ceiving G.G flight plan erran/					
A1,4,4,10	FORWARD FLIGHT PLAN VERBALLY	·		•••••			· • • • • · · · · · · · · · · · · · · ·
	TASK TVPE: VC	COORD MEDIA: V	FREQUENCY: LOW		CRITICALITY.	MCD.	
A3 4,4,18,1	PERFORM VSCS, Ir Communications * to another contro	forwarding flight plan					
A* 4.4.11	ENTER STEREO FLIGHT PLAN				<del>-</del>	*	••••••••••••••••••••••••••••••••••••••
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	i	CRITICALITY:	LOH	
A1,4,4 11,1	INITIATE _Stereo input of scereo	Flight Plan message for Flight plan		Stereo	Flight_Plan		1
41,4,4,11,2	EXECUTE _Stereo_f	Flight_Plan message	!	Stereo	_Flight_Plan		1

		Tosk Elemi	ent Report			
TASK NUMBER / ELEMENT NUMBER	TASK STATEMENTS / DATA AND TASK ELEMENT STATEMENTS			OBJECTS		
A1.4.4.11 ENT	ER STEREO FLIGHT PLAN					
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW (Continued)		
11.4.4.11.3	DETECT system flight plan	acceptance of stereo				
1.4.4.12 ENT	ER VFR FLIGHT PLAN					
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW		
A1.4.4.12.1	INITIATE VFR	Flight_Plan message for flight plan	VFR_F	light_Plan	1	
A1.4.4.12.2	EXECUTE _VFR_	Flight_Plan message	VFR_F	light_Plon	1	
41.4.4.12.3	DETECT system plan	acceptance of VFR flight				
41.4.4.13 RES	QUEST FLIGHT PLAN READ	)OUT				
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW		
A1,4,4,13,1	INITIATE Red message	quest_Flight_Data_Readout	Reque	est_Flight_Data_Readout	1	
41,4,4,13,2	EXECUTE _Flig	ght_Data_Readout message	Flig	nt_Data_Readout	1	
41.w/w/,1 <b>3.3</b>	DETECT appear _Flight_Data _Flight_Data			nt_Data_Readout nt_Data_Readout_Area	1	
ar 15 -	   INITIATE   Ou   Paggout   #fli	O ery_Data_dase_For_Selected_R gnt_plan*	Quer	y_Data_Base_For_Selected_Readout	7	
** • • * 5 5	ExECUTE _Que sabut messag	r,_Data_Base_For_Selected_Re e	Çuer	y_Data_Base_Fon_Selequed_Readout	1	
<sup>.</sup> 5 5	OCTECT Flig System_burn System	nt PlonjReadout in Zjasoonse un Response		nt_Plan_Readout em_Guery_Response	1	
		N (4, 27) & 20	••••••			
	, 17.4 , 446 · É	000RD MEDIA	FREQUENCY: MCD	CRITICALITY: MED		
• • •	NUTIATE JER	rter [Schattin] Paa Data Ressage	Ente	r_Scratch_Pan_Data	1	
	ENERGE JES	en Schatin Paal Data Hessage.	Ente	ar_Scrotch_Pad_Dota	1	
- • • • • • • • • • • • • • • • • • • •		m acceptance of on PagData message	Ente	r_Scratch_Pad_Data	1	
. • ÷ · •:	. (Z.145 F. 126 - 2474 FE)	: (S1 <b>3</b> N	· · · · · · · · · · · · · · · · · · ·		·	
	*#5+ *+PE =	000KU 14EUTA	FREQUENCY, H1	CRITICALITY: HI		
: '	_filight_Šati	ightjöstajÉhtri on ajútsploi for emphosizea nevisions (moction 1m)		gnt_Duta_Entry gnt_Cata_Display	27 1	
11 4 5 1 2	_flight_Date	C ight_Data_Entry on d_Displo, for emchasized revisions =moption 2*		ght_Data_Entry ght_Data_Displey	27 1	
41.4.5.1.3		Acknowledge_FDE_Change eemcnasi'e new data*	Acki	nowleage_FDE_Change	1	

				ment Report			
TASK NUMBER / ELEMENT NUMBER			EMENTS / DATA AND ENT STATEMENTS		c	OBJECTS	NO. OF OBJECTS
1.4.5.1 RE	CEIVE FLIGH						
	TAGK TVP	E: R	COORD MEDIA:	REQUENCY: HI		CRITICALITY: HI (Continued)	
1.4.5.1.4	*E	xecute .	_Acknowledgir_FDE_Charige messag.		Acknow	vledge_FDE_Change	1
1,4,5,1,5			eemphosized field in ata Entry in Flight Data Area		Flight	:_Data_Entry	1
11,4,5 1,6	_F	light_Ö	Flight_Data_Readout_Area on ata_Display for emphasizedFlight_Data_Entry		Flight	: Dota_Readout_Area L_Data_Display L_Dota_Entry	1 1 7
A` 4.5.*.7	1r 2r	n _Fligh n _Fligh	ew data in _Flight_Data_Entry t_Data_Readout_Area to old data t_Data_Entry in ata_Area on Flight Data Display		Flight Flight	t_Data_Entry t_Dota_Readout_Area t_Dota_Entry t_Data_Area	1 1 1
41 4.5.1.8			_Acknowledge_FDF_Change new data in Flight Data Area*		Açkr-o	wledge_FDE_Change	1
1.4.5.1.9	*6	TYECUTE	_Acknowleage_FDE_Change		Ackno	wledge_FDE_Change	1
41,4,5,1,18	w! gr	ith new Fiight_D na the c	eplacement of old field data field dota in data_Entry of _Flight_Data_Area dosence of flight data in data_Republic_Area		Fligh	t_Data_Entr, t_Dato_Areo t_Data_Readout_Arec	; 1 1
	MCHASIZE FL	IGH1 DA1	A ENTRY POSTING FOR REMINDER A	CTION			
	TASK TY	PE: E	COORD MEDIA:	FREQUENCY: HI	ı	CRITICALITY: MED	
A1.4.5.2.1	m 3 :	essagir i	FDE And Dota Field Emphasis of adia contained cota entry "rull FDE, field,		FPE_A	nd_Data_Field_Emphasis	1
л1.4.5.2.2		.ECU1E .	FDF_And_Data_Field_Emphasis	FDE_And_Data_Fiela_Emphosis			1
\$1,4,5,2,3	1	i ine l	mphosized FDE field or subfield Flight_Dota_Entry on the Cota_Display			nt_Data_Entry ut_Data_Display	1
A1,+,5 3 E	NTER FLIGHT	PLAN A	MENDMENT	<b></b>			
	TASK TY	PE: Ε	COORD MEDIA:	FREQUENCY: H	Į	CRITICALITY: HT	
A1,4,5,3,1	ū		_Slight_Data_Amendment *for Lof data conto.ced in fl ght ry*		fligh	nt_Octa_Amendment	1
A1.4.5.3.2	3	ECUTE	_Flight_Dota_Amendment message		r 11gr	n'_Data_Amendment	1
A1.4.5.3.3		Eli bit.	ppnopriately modifica dato in Data_Entry on Data_Display			nt_Data_Entry nt_Daca_Display	1
A1.4.5.4 [	INTER PILOT	S P0511	ION REFORT IN SYCIFM	~~~~			
	TASK 19	/PC: E	COORU MEDIA:	FREQUENCY: L	Of 1	CRITICALITY: MED	
A1 4.5 4.1			Progress_Report message #for flight plan progress report#		Prog	ress_Repo. :	1



TASK NUMBER / ELEMENT NUMBER		TASK STATEMENTS AND			ON TECTS	NO. OF OBJECTS
				OBJECTS		
11.4.5.4	ENTER PILC	r's POSITION RE	PORT IN SYSTEM			
	TASK	TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED (Continued)	
11.4.5.4.?		EXECUTE _Progr	ess_Report message	Prog	gress_Report	1
41,4.5.4.3		_Progress Repo	acceptance of the rt message b/ observing e data field in the nary on the Flight Data		yress_Report ght_Data_Entry	1
A1.4.5.5	JELETE FLI	GHT DATA INTRY	EMPHASIS			
	TASK	TYPE: E	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: LOW	
41.4.5.5.1		INITIATE FOE message for de fleid in Flig Flight Data Di	And Data Field Emphasis letion of emphasized data ht Data Entry on the splay	FDE Flig	And Data Field Emphasis Ght Data Entry	1
41.4.5.5.2		EXECUTE _FDE_/	and_Sata_Field_Emphasis	FDE_And_Dato_Field_Emphcsis		1
A1.4.5.5.3		RECOGNIZE removal of emphasis in flight data field in the _Fl:gnt_Data_Entry		F110	ght_Data_Entry	1
A1.4 5.6	RECLIVE FL	IGRT PLAN AMENO	MENT VERBALLY FORWARDED		** ****************************	
	TASK	TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: MED	
21,4,5,6.1		PERFORM VSCS,	Receiving G/G *ruceive flight plan			
11,4,5,7	RECEIVE P	LOT'S POSITION	REPORT			<b></b>
	TASK	TVFE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICAL DIV: HI	
A1.6.5.7.1		PERFORM VSCS.	Sommunicating Normally #receiving a position			
41.4.5.3	FORWARD FI	.IGHT PLAN AMEN	OMENT VERBALLY			
	TASK	TYPE: VC	COORD MEDIA: V	FREQUENCY: LON	CRITICALITY: MED	
41,4,5 %,1		Communication	Initiating G/G s *forwarding flight plan a to another controller*	••••••		******
A1 w.5.9	INFORM CO	NTROLLER UNABLE	FLIGHT PLAN AMENDMENT	·		
	1ASA	TYPE: E/VC	COCRD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY, MED	
£1.7.5 9.1				3 <del></del>		
A1.4.5.9.2		PERFORM VSCS. Communication	Initioting G/G s *odvising controller ept flight plan omenamenu*			
A1,4,5,10	RECEIVE C	ONTROLLER ADVI	E OF .ABLE FLIGHT PLAN AM			
***********	Twsx	TYPE: 9/VC	COGRD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1 4.5.10.1		Freceive not:	f.1. Receiving ATC Mail ice from another controller accept flight plan			



	Tosk Eleme	ent Report	
TASK NUMBER /	TASK STATEMENTS / DATA AND		NO. OF
ELEMENT NUMBE		(BURUIS	OBJECTS
1.4.5.10	RECEIVE CONTROLLER ADVICE OF UNABLE FLIGHT PLAN AMEN		
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: 1.0K CRITICALITY: HI (Continued)	
1,4.5.10.2	PEKFORM VSCS, Recriving G/G Communications *receive information of unable to accept amendment message*		
1,4,5,11			
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOT CRITICALITY. MED	
A1.4.5.1 <sup>1</sup> .1	PERFORM TEM M.1, Receiving ATC Moil *receive request for flight plan changes*		
41,4,5,1,,2	O PERFORM VSCS, Receiving G/G Communications *receive request for flight plan changes* O		
41,4,5,11,3	PERFORM VSCS. Communicating Normally Air-To-Ground *receive a request for flight plan changes from a pilot*		
¥1.4.5.12	ENIER REPOUTING INTO A FLIGHT PLAN		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
11.4.5.12.1	INITIATE _Implement_Reroute message	Implement Reroute	1
1.4.5.12.2	ExECUTE _Implement_Reroute message	Implement_Reroute	1
41.4.5.12.3	DETECT system acceptance of _!mplement_Renoute message	Implement_Reroute	1
41,4,5,1	RECEIVE HANDOFF REQUEST		
	TASK TYPE: R/VC COORD MEDIA: V/F	FREQUENCY: LOW CRITICALITY: HI	
A1,4,6,1,1	SEARCH_Track_Position_Symbol. _teader_Line. or _Doto_Block for indication of handoff directed to sector	lrock_Position_Sγπωοl Leoder_Line Data_Block	36 27 27
41.4.6.1.2	DETECT Handoff Status Indicator or Handoff Indicator in Full_Data_Black, Leader Line, and/or Track_Position_Symbol on Situation Display	Panacif Status Indicator Handoff Indicator Full Toto Block Leader Line Track Peritron Symbol	1 1 27 27 38
41,4.5,1,3	ExTRACT Receiving Sector/Position_ID and Initiated *indication* from full_Data_Black, _Lender_Line, or Track_Position_Symbol on the Situation Disclay	Receiving_Sector/Pusition_ID Insticted Full_Data_Block Leader_Line Track_Position_Symbul	1 1 27 27 30
43,4,6 1,4	0 PERFORM VSCS, Receiving G/G Communications *Mandoff request*		
41.4.5.2	DENY HANGEF		*** · · · • ** *
	TASK TYPE: E/VC COORD MEDIA: V/F	FREQUENCY: LOW CRITICALITY: HI	
A1.4.6 2.1	INITIATE Reject Hundoff message *to indicate the non-acceptance of a hundoff*	Reject_Handoff	1

	Task E		
TASK NUMBER /	TASK STATEMENTS / DATA AND		NO, OF
	R TASK ELEMENT STATEMENTS	OBJECIS	OBJECTS
A1.4.6.2	DENY HANDOFF		
	TASK TYPE: E/VC COORD MEDIA: V/F	FREQUENCY: LOW CRITICALITY: HI (Continued)	
A1.4.6.2.2	EXECUTE _Reject_Handoff message	Rejent_Handoff	1
1,4.6.2.3	DETEC: system ucceptance of _Reject_Handoff message	Reject_Handoff	1
A1.4.6.2.4	0 PERFORM VSCS, Initiating G/G Communications *advising of hardo: rejection*	•	
A1,4.6.3	ACCEPT VERBAL HANDOFF/ INITIATE MANUAL TRACK STAR	r	
	TASK TYPE: E/R/VC COORD MEDIA: V	FREQUENCY: LOW CRITICALITY: HI	
۵1.4.6.3 ۱	PERFORM VSCS, Receiving G/G Communications *accepting verbal handoff*		
A1.4.6.3.2	INITIATE _Track message to start track	c Track	1
A1.4 6.3.3	EXECUTE _Track message	Track	7
41.4.6.5.4	DETEC: _Track_Position_Symbol and _Full_Data_Black on the _Situation_Display *results of track start message*	Track Position_Symbol Fuli_Dota_Block Situation_Oisplay	1 1 1
A1.4.6.4	ACCEPT AUTOMATIC HANDOFF		
	TASK TYPE: E COORD MEDIA: F	FPEQUENCY: HI CRITICALITY: HI	
41.4.5.4.1	INITIATE Accept Handoff message for acceptance of handoff	Accept_Ha:100ff	1
41.4.5.4.2	EXECUTE _Accept_Handoff message	Accept_Handoff	1
A1.4.6.4.3	DETECT appearance of _Accepted status _Handoff/Status_Indicator of _Full_Data_Block, _Leader_Line, or _Track_Position_Symbol on Situation Disploy	in Accepted Handoff/Status_Indicator Full_Data_Block Leader_Line Trock_Position_Symbol	1 1 1 1 1
A1.4.5.5	DETERMINE THAT AIRCRAFT IS ENTERING SECTOR		
	TASK TYPE: A COORD MEDIA:	FREQUENCY: HI CRITICALITY: HI	
A1.4.6.5.1	ACOUIRE Geographic Map Data and Buckground Descrit or on "Situation Display ior information th may aid in determining if direcalt is entering sector		1 1
A1.4.6.5.2	A/O  ACQUIRE Static Information Display to information that may old in determining all algorithms and all algorithms.  A/O  A/O		1
A1 4.0.5.3	A/O  ACQUIRE Flight_Data_Entry and Time Flight_Data_Displey" *for flight dat entry of aircraft potentially enterin sector*	ta Time	27 1 1
A1.4.6.5.4	SYNTHESIZE last known position, time last known position, speed, route, to and map information into mental picture of aircraft position and trajectory	rus.	

<b></b>				Task Eleme	ent Report				
TASK NUMBER / ELEMENT NUMBE	/								NO. OF
ELEMENT NUMBER	.R	TASK ELEM	ENT ST				DBJEUTS		08JECTS
11.4.6.5	OSTERMINE T	HAT AIRCE	≀AFT iS	ENTERING SECTOR					
	TASK T	YPE: A		COORD MEDIA:	FREQUENCY: H1		CRITICALITY: HI	(Continued)	
A1.4.6.5.5		PROJECT II	mental with r	picture of direraft respect to location of			•		
A1.4.6.5.6		RECOGNIZE airspace		roft is entering sector					
A1.4.6.6	DETERMINE F	RESPONSE	TO HAN(	DOFF REQUEST					
	TASK '	TYPE: R/I	A	COORD MEDIA:	FREQUENCY: 31		CRITICALITY: HI		
A1.4.6.6.1		SEARCH Full Dat	Positio to_Bloc und_Des on_Disc	on_Symbol, ok, and scriptor on play to determine response equest		Pasiti Full <u>(</u> Backgr	in: Symbol Duto Block round Descriptor tion_Disploy		30 27 1
41.4.6.6.2		Flight (	Flight Dota Di	Data Entry and _Time on Esplay for information ther or not to accept		Time	t_Data_Entry t_Data_Display		27
A1,4.6.6.3		time info	ormatio	te, altitude, speed, and on into a mental traffic egard to accepting a					
41.4.6.6.4				or not to accept handoff! traffic picture					
A1.4.6.7	RECEIVE CO	INTROL OF	AIRCRA	FT					
	TASK	TYPE: R/	′VC	COORD MEDIA: V/M	FREQUENCY: LO	)W	CRITICALITY: HI		
A1.4.6.7.1		Communic	cations contro	Receiving G/G . *release of control from ller/ facility*	:				
A1.4.6.7.2		PERFORM *release controll	e of co	1, Receiving ATC Moil untrol from another ucility*					
A1.4.5.8	REQUEST TR	RANSFER OF	CONTR	:0L					
	TASK	1YPE: E/	/VC	COORD MEDIA: V/M	FREQUENCY: L'	0W	CRITICALITY: HT		
A1.4.5.8,1				.2, Sending ATC Mail ontrol of an eircraft*				,	
A1.4.5.8.2			cation:	Initiosing G/G s *action to request ceraft*					
A1,4,7,1		HANDOFF F	UNCTION						
	TASK	TYPE: E		COORD MEDIA: F	FREQUENCY: L	.OW	CRITICALITY: HI		
A1,4.7.1.1	****		e ĥando	tiate_Hancoff message to off action to another ility		Init	iate_Handoff	,,	1
A1.4.7.1.2		EXECUTE	_Init	iace_Handoff message		Init	iate_Handoff		1

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TASK NIMBER / ELEMENT NJMBE	TASK STATEMENTS / DATA / AND ER TASK ELEMENT STATEMENTS	OBJECT'S	NO. OF OBJECTS
11.4.7.1	INIT: ATE HANDOFF FUNCTION	222201	
		FACE FACE CONTINUED CRITICALITY: HI (ContinueD)	
41.4.7.1.3	DETECT acceptance of the Initiate Handoff massage by observing the Handoff Status/Indicator in the Full_Data_Block	Initiate Handoff Mardoff ⊡ratus/Indicator Full_Oata_Block	1 1 1
A1,4,7.2	OBSERVE AUTOMATIC INITIATION OF HANDOLF		
	TASK TYPE: R/A COOKÛ MEDIA:	FREGUENCY: HI CRITICALITY: HI	
41.4.7.2.1	ACCUIRE for Hanaoff Status/Indicator in Full Data Block and/ or Handoff Indicator in Leader Line or Trock Position Symbol	Handoff_Status/I∵dicator Full_Data_wlock	1 1 1 1
A1 4,7,3	RETRACT HANGOFF		
31	TASK TYPE: EZYO COCRO MEDIA, V/F	FREQUENCY: LOW CRITICALITY: HI	
A1.4.7.3.1	INIT'ATE Retract Handeff message to recall a previously initiated handoff	Retract_Handoff	1
41.4.7.5.2	EXECUTE _Ret. acv_Handoff message	Retroct_Handoff	1
Λ1.4.7.3.3	DEFECT system unceptance of theRetruct_Handoff message by observing the removal of _Handoff_Alent_Status_Indicator in _FUll_Data_Rizev	Retroct_Hondoff Hardof(_Alert_Stotus_Indicator Full_Data_Block	1 1 1
A1.4.7.3.4	PEAFORM VSCS, Initiating 5/G Cummunications *handoff retraction*		
A1,4,7,4	RECELVE HANDOFF ACCEPTANCE		
	TASK TYPE: R/VC COORD MEDIA: V/F	FREQUENCY: HI CRITICALITY: HI	
A1.4,7,4.1	SEARCH for Handoff Subcas/Indicator in the Full_Data_Black on Situation Display		1
Aî.4.7.4.2	RECOCNIZE accepted status indication in the Hundoff Status/Inicator field of the Full_Duta_Plack that the hundoff was accepted	Handoff_Status/Inicator Full_Data_Block	1
A1,4.7.4.3	U PERFORM VSCS, Receiving 676 Communications *handoff addeptances		
	OLSCUSS TRANSFER OF CONTROL WITH OTHER CONTROLLER		
	TASK TYPE: VC COORD MEDIA: V	FREQUENCY: 1984 CRITICALITY: HI	
A1.4.7.5.1	PERIORM VSCS, Initiating G/G Ushmumication: *forwarding informution concerning transfer of control of an aircraft*		
λ1,4.7,5,2	PERFORM VSCS: Receiving 0/0 Communications *information on transfer of control*		
A1.4.7.6	INTITIATE VERBAL HANDOFF	***************************************	
•	TASK TYPE: VC COURD MEDIA: V	REQUENCY: LOW CRITICALITY: HI	
a1,4,7,6,1	PERFORM VSSS. Initiating G/G Communications *motion of hundoff to objects, sector or facility*		



	Tosk E1	ement Report		
TASK NUMBER /			OBJECTS	NO. OF OBJECTS
A1.4.7.7	RECEIVE REQUEST FOR TRANSFER OF CONTROL			
	TASK TYPE: R/VC COGRD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1,4,7,7,1	PEPFORM VSCS. Receiving G/G Communications **receive request for transfer of control of oircraft* C			
A1.4.7.7.2	PERFORM FOM M.1, Receiving ATC Moil *receive o request for trunsfer of control of an aircraft*			
A1.4.7.8	DETERMINE THAT AIRCRAFT IS LEAVING SECTOR			
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: HI	CHITICALITY: HI	
A1.4.7.8.1	ACQUI-E Geographic Map Data, _Background Descriptor, and _Target Position Symbol on _Siduation Displa, for information tha may aid in determining if airgraft is leaving sector	Geor Baci Tarr	graphic_Map_Dota kground_Oescriptor get_Position_Symm ol untion_Display	1 1 1
A1.4 7.8.2	A/O  ACQUIREtatic_Information_Display for accommutate shart information trut mand in determining if uncoraft is leaving sector.  A/		tic_Informutien_Disploy	1
41.4.7.8.3	ACQUIRE Flight Data Entry or : Time o Flight Duta Display *for flight data entry of aircraft putentially leaving sector*	Tim	ant_Cata_Entry e ght_Duta_Display	27 1 1
41.4.7.8.4	SYPHESITE last known position and time speed, route, time, altitude, denonatical chart, and approach/ departure information into mental picture of azruroft position.	હ,		
41.4.7.8.5	PRIJECT mental plature of aircraft position with respect to location of sector boundary			
41.4.7.8.6	RECOGNITY direraft is leaving sector direspace			
A1.4.7.9	DETECT MANUAL HANDOFF MODE INDICATION			
	TASK TYPE: 9 COORD MEDIA:	FRESHENCY, LOW	CRITICALITY: MED	
31.4.7.9.1	ACGUIPE Data Brock on Situation_D.Splay for auto handoff Inhibit indication		to_Block budtion_Display	در 27 1
41.4.7.9 ?	A/O ACQUIRE Ind. Stacus in Target Position Symbol for informatio which may aid in determining track status	on Tai	ock_Status rget_Position_Symbol	1
A1,4.7.9.3	RECOGNIZE that the automatic bandoff studies has been inhitited and that a minual bandoff is necessary			
.1.6.7.13	REQUEST TRANSFER OF FLIG T PLAN DATA TO ANOTHER I	FACILITY		
	TASK TYPE: 5 COURD MEDIA:	FREQUENCY. LOW	CRITICALITY: MED	
41,4.7.10.1	INITIATE _Transfer_Flight_Plan messag to transfer flight plan data to anoth facility	e Tri	ansfer_flight_Plan	1

	Task Elem	ent Report			
TASK NUMBER /	TASK STATEMENTS / DATA AND			NO. OF OBJECTS	
ELEMENT NUMBE	R TASK ELEMENT STATEMENTS 08JECTS				
11.4.7.10	REQUEST TRANSFER OF FLIGHT PLAN DATA TO ANOTHER FACT	LITY			
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED (Continued)		
A1.4.7.10.2	EXECUTE _Tronsfer_Flight_Plan message		:nsfer_Flight_Plan	1	
A1.4 7.10.3	DETECT system acceptance of _Transfer_Flight_Plan message	Tro	onsfer_Flight_Plan	1	
A1.4.7.11	INFORM CONTROLLER OF ANY CONDITIONS AFFECTING TRANSF	ER OF CONTROL		_ /	
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI		
A1,4,7, 1,*	PERFORM TEM M.2. Sending ATC Moil *informing controller of any conditions offecting the transfer of control of an aircraft*  0				
A1.4 7.11.2	PERFORM VSCS. Initiating 6/8 Communications *informing a controller of any conditions offecting the transfer of control of an aircraft*				
A1,4.7.12	INFORM CUNTROLLER OF RELINQUISHED CONTROL OF AIRCRA	FT			
	TASK TYPE: E.VC COOPD MEDIA: V/M	FREQUENCY: MED	CRITICALITY: HI		
A1.4.7.12.1	PERFORM TEM M.2. Sending ATC Moil *ndvising controller of irelease of central of an airmicfu*	·····			
A1,4,7,12.2	0 PERSONM VSCS, Instracting G/G communications *advising controller of a release of aircraft control*				
A1.4.7.13	DETECT HANDOFF ALEST INDICATION				
	TASK TYPS: R CCCRO MEDIA:	FREQUENCY: LOW	CRITICALITY: HI		
Ai.4.7.13.1	/CQUIRE_Full_Data_Slock on the Situation Display for Handoff_Alert_Indicavior *indicaving a handoff_nas not been accepted within parameter trac/ distance from boundary*	Hu	ill_Dasu_flock indeff_Alert_Inercation	27 1	
A1.4.7.14	PEDIRECT MANORE	* *************************************			
	TASK TYPE: E COORD MEDIA: F	FREQUENCY: LOW	CRITICALITY: BI		
A1.4.7.14.1	INITIATE <u>Redirect</u> Handoff missage th initiate a handoff to quother position or focility	Re	direct_Handuff	1	
31 (.7,14.2	EXECUTE _Kwdinect_Handoff mensage	Re	direct_Hendoff	1	
21,4,7,14,0	DETECT tystem acceptance of theRedirect Handoff message by observing the _Handoff Status/Indicator in the _full_Octo_8 ack	Но	direct_Hondoff undoff_Status/Indicator ull_Data_Block	1 1	
.1.4.7.15	RECEIVE HADDOLD REJECTION	••••••			
•	TASK TYPE: RZVC COORD MEDIA: YZE	FREQUENCY: LOW	CRITICALITY: EXT		
A1.4.7.15.1	ACQUIRE Handoff Status/Pedicator in appropriate Full Data Black for hundof status *rejected# 0		andoff Status/Indicates ull_Data_Block	1	



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	Task Elei	ment Report	
TASK NUMBER /	TASK STATEMENTS / DATA AND		NO. OF
ELEMENT NUMBE		OBJECTS	OBJECTS
A1,4.7,15	RECEIVE HANDOFF REJECTION		
	TASK TYPE: R/VC CGORD MEDIA: V/F	FREQUENCY: LOW CRITICALITY: EXT (Continued)	
A1.4.7.15.2	PERFORM VSCS, Receiving G/G Communications *notice of handoff rejection*		
41.4.8.1	INITIATE POINTOUT		
	TASK TYPE: E/VC COORD MEDIA: V/F	FREQUENCY: LOW CRITICALITY: HI	
11,4,9,1,1	INLYTATE _Initiate_Pointout message to point out target to another sector or facility	Initiate_Pointout	1
41.4.8.1.2	EXECUTE _lnitiate_Pointout message	Initiate_Pointout	1
41.4.8.1.3	DETECT _Initiate_Pointout message acknowledgement by observing the _Pointout_Indicator in the _Full_Data_Block on the Situation Display	Initiate_Pointout Pointaut_Indicator Full_Dota_Block	1 1 1
41.4.8.1.4	*PERFORM VSCS. Initiating G/G Communications *pointout*		
41.4.8.2	OBSERVE AUTOMATIC INITIATION OF PUINTGUT TO ANOTHER	R CONTROLLER	
	TASK TYPE: R COORO MEDIA:	FREQUENCY: MED CRITICALITY: HI	
A1.4.8.2.1	SEARCH Pointout Indicator in Full_Data_Block on Situation Eisplay for indication of automatic pointout	Pointout Indicator Full_Data_Block	1 27
41,4,8,2,2	DETECT the appearance of a pointout initiate by observing the _Pointout_Indicator in the _Full_Data_Block on the Situation Display	Pointout_Indicator Full_Data_Block	1
A1.4.8.3	FORCE FLIGHT DATA ENTRY TO ANOTHER CONTROLLER		
	TASK TYPE: E COORD MEDIA: F	FREQUENCY: LOW CRITICALITY: MED	
A1.4.8.3.1	INITIALE_FDE_Pointout message to force flight data to another sector or facility		1
A1.4.8.3.2	EXECUTE _FDE_Pointout message	FDE_Pointout	1
A1.4.8.3.3	DETECT system acceptance of _FDE_Pointout message	FDE_Pointout	1
A1.4.8.4	RECEIVE ACCEPTANCE OF POINTOUT		
	TASK TYPE: R/VC COURD MEDIA: V/F	FREQUENCY: MED CRITICALITY: HI	
41.4.8.4.1	ACQUIRE _Pointout_Indicator inFull_Data_Block on Situation Display for indication of accept status of a peintout O	Pointout_Indicator Full_Dota_Block	1 27
A1.4.8.4.2	PERFORM VSCS. Receiving G/G Communications "notice of pointous acceptance"		

	Task Elem	ment Report	
TASK NUMBER / ELEMENT NUMBER	TASK STATEMENTS / DATA AND TASK ELEMENT STATEMENTS	OBJECTS	NO. OF OBJECTS
.1.4.8.5 RECEIVE	REJECTION OF POINTOUT		
14	SK TYPE: R/VC COORD MEDIA: V/F	FREQUENCY: LOW CRITICALITY: HI	
11.4.8.5.1	ACQUIRE _Pointout_Indicator in _Full_Data_Block for reject status of pointout		1
1.4.8.5.2	O PERFORM VSCS, Receiving G/G Communications *rejection of pointout*		
1,4.8.6 DETECT	INDICATION OF NO ACTION ON POINTOUT		
T	ASK TYPE: R COORD MEDIA:	FREQUENCY: LOW CRITICALITY: HT	
41.4.8.6.1	SEARCH Pointout Indicator in Full_Oata_Block to decermine status of Pointout	Pointout Indicator	1 27
41.4.8.6.2	DETECT _Pointout status *no acceptance action* in the _Full_Data_Black of concerned target	Pointout Full_Data_Block	1
41.4.8.6.3	A/O DETECT Handoff/Point_Not_Accepted in Handoff_Alert_Indication of Full_Data_Block	Handoff/Point_Not_Accepted Handoff_Alert_Indication Full_Data_Block	1 1 1
41.4.8.6.4	EXTRACT indication of no ection on pointout		
11.4.8.7 DISCUS	S POINTOUT WITH OTHER CONTROLLER		
7	ASK TYPE: VC COORO MEDIA: V	FREQUENCY: MED UKITIVALITY: HI	
41.4.8.7.1	PERFORM VSCS, Initiating G/G Communications *calling controller reference a pointout*		
A1.4.8.7.2	A PERFORM VSCS, Receiving G/G Communications *discuss pointout*		
A1,4,9.1 RECEIV	E POINTOUT		
ĭ	ASK TYPE: R/VC COORD MEDIA: V/F	FREQUENCY: MED CRITICALITY: HI	
A1.4.9.1.1	ACQUIRE _Pointout_Indicator in _Full_Data_Block for indication of pointout being directed to sector	Paintout_Indicator Full_Data_Block	1
A1.4.9.1.2	PERFORM VSCS, Receiving G/G Communications *pointout request*		
A1.4.9.2 ACCEP	TPOINTOUT		
-	TASK TYPE: E/VC COORD MEDIA: V/F	FREQUENCY: MED CRITICALITY: HI	
41.4.9.2.1	INITIATE _Pointout_Accept message to accept pointout initiated to sector	Pointout_Accept	1
A1,4.9.2.2	EXECUTE _Pointout_Accept message	Pointout_Accept	1
A1 4.9.2.3	DETECT _Accept in _Pointout_Indicator i _Full_Data_Block O	n Accept Pointput_Indicator Full_Data_Block	1 1 1

	Task Elema	ent Report	
TASK NUMBER /	TASK STATEMENTS / DATA		NO. OF
ELEMENT NUMBE	R TASK ELEMENT STATEMENTS	UBJECTS	OBJECT:
11.4.9.2	ACCEPT POINTOUT		
	TASK TYPE: E/VC COORD MEDIA: V/F	FREQUENCY: MED CRITICALITY: HI (Continued)	
41.4.9.2.4	PERFORM VSCS, Initioting G/G Communications *pointout acceptance*		
11.4.9.3	DENY POINTOUT		
	TASK TYPE: E/VC COORD MEDIA: V/F	FREQUENCY: LOW CRITICALITY: HI	
A1.4.9.3.1	INITIATE _Pointout_Reject message	Pointout_Reject	1
A1.4.9. <b>3.</b> 2	EXECUTE _Pointout_Reject message	Pointout_Reject	1
A1.4.9.3.3	DETECT _Reject in _Pointout_Indicator in _Full_Data_Block  O	Reject Pointout_Indicator Full_Data_Block	1 1 1
A1.4.9.3.4	PERFORM VSCS. Initiating G/G Communications *pointout rejection*		
41.4.9.4	SUPPRESS FULL DATA BLOCK AFTER POINTOUT		
	TASA TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
21.4.9.4.1	INITIATE Force Data Block message to remove a Data Block from Situation Display which had been previously forced to the sector concerned		1 1 1
41.4.9.4.2	EXECUTE Tronce Gata Block wessage	Force_Data_Block	1
A1.4.9.4.3	RECOGNIZE _Data_Block removal from _Situation_Display	Data_Block Situation_Display	1
41.4.9.5	DETERMINE RESPONSE TO POINTOUT		
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: MED CRITICALITY: HI	
A1.4.9.5.1	ACQUIRE _Position_Symbol, _Data_Block, and _Background_Descriptor on _Situation_Display to determine necessity to accept/ reject pointout A/O	Position_Symbol Data_Block Background Descriptor	30 27 3 1
41,4,9,5,2	ACQUIRE Flight Dato Entry and Time on Flight Dato Display to determine action required regarding pointout	Flight_Data_Entry Time Flight_Data_Display	1 1 1
A1.4.9.5.3	SYNTHESIZE altitude, route, aircraft, and time information into a mental picture with regard to pointout		
A1.4.9.5.4	OECIDE appropriate response to pointout		
41.4,10.1	SELECT TRIAL PLAN FOR IMPLEMENTATION		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
41.4,10.1.1	INITIATE _!mplement_Trial_Plan for proposed flight plan	Implement_Trial_Plan	1
A1.4.10.1.2	EXECUTE _Implement_Triol_Plan message	Implement_Triol_Plan	1
A1.4.10.1.3	DETERT system acceptance of _Implement_Trial_Plan message	Implement_Trial_Pian	1

		Element Report	
TASK NUMBER /	TASK STATEMENTS / DATA AND		NO. 0F
ELEMENT NUMBER	AND TASK ELEMENT STATEMENTS	OBJECTS	OBJECT:
1.4.10.2 APPROVE			
TA	SK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW CRITICALITY: HI	
1,4,10,2,1	PERFORM VSCS, Initiating G/G Communications *giving approval to c clearance request*		
1.4,10,2.2	PERFORM TEM M.2, Sending ATC Mail *giving approval to a clearance requ	est*	
1.4.10.3 SUGGEST	CLEARANCE ALTERNATIVES TO PILOT		
ŢŢ	ASK TYPE: VC COORD MEDIA: V	FREQUENCY: MED CRITICALITY: MED	
11.4,10.3.1	PERFORM VSCs. Communicating Normall Air-To-Ground *clearonce olternative pilot*	y	
11.4.18.4 FORMULA	ATE A CLEARANCE WITH APPROPRIATE INSTRUCT	IONS	
т,	ASK TYPE: A COORD MEDIA:	FREQUENCY: HI CRITICALITY: HI	
N1.4.1₫,4.1	ACQUIRE Position_Symbol, _Dota_Block and _Background_Descriptor on _Situation_Display for information pertaining to formulating a clearance	Data_Block Background_Descriptor	30 27 1 1
11,4,18,4,2	SYNTHESIZE altitude, route, special airspace, and time information into mental traffic picture with regard t formulating a clearance	0	
41.4,10,4.3	FORMULATE a clearance with appropria instructions to provide required separation	il.e	
41.4.10.5 ISSUE	CLEARANCE AND INSTRUCTIONS TO PILOT		~_~~~
т	ASK TYPE: VC COORD MEDIA: V	FREQUENCY: HI CRITICALITY: HI	
A1.4.1∂.5.1	CROSS-REFERENCE _Flight_Data_Entry f planned actions and instructions		1
41.4.10.5.2	PERFORM VSCS, Communicating Normally Air-Ta-Ground *current clearance ar instructions*		
A1.4.10.5 ISSUE	CLEARANCE THROUGH ATCT/ FSS FOR RELAY TO	PILOT	
Ţ	ASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW CRITICALITY: HI	
A1.4.10.5.1	PERFORM VSCS, Initiating G/G Communications *clearance and instructions for relay to pilot*		
A1.4.10.5.2	O PERFORM TEM M.2, Sending ATC Mail #issuing clearance and instructions relay to pilot#	for	
A1.4.10.7 VERIFY	AIRCRAFT COMPLIANCE WIT'S CLEARANCE		
1	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: H1 CRITICALITY: HI	
A1.4.10.7.1	ACCUIRE Fosition Symbol, _Data_Bloo and _Background Descriptor on _Situation_Display for compliance w clearance	ck, Position Symbol Onta Block	30 27 1

		Tosk Elem	ent Report		
TASK NUMBER /	TASK STATEMENTS AND	/ DATA			NO. OF
ELEMENT NUMBER	TASK ELEMENT ST	ATEMENIS		OBJECTS	03JECTS
41.4.10.7 V	ERIFY AIRCRAFT COMPLIANCE	WITH CLEARANCE			
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: HI	CRITICALITY: HI (Continued)	
A1.4.10.7.2	ainspace, route into a complete	tude, special use , and time information mental traffic picture aircraft compliance with uctions			
41.4.10.7.3		oft is in compliance with uctions as issued by ATC			
	QUERY PILOT REGARDING CONF	ORMANCE WITH CLEARANCE			
	TASK TYPE: VC	COORO MEDIA: V	FREQUENCY: LOW	CRITICALITY: HI	
A1.4.10.8.1		Communicating Normally *clearance non-compliance nse*			
A1.4.10.9	DENY CLEARANCE REQUEST				
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
41.4,10.9,1	PERFORM TEM M.2 *clearance deni O	, Sending ATC Mail al*			
A).4.18.9.2	PERFORM VSCS.	Initiating G/G *clearance denial*			
A1.4.18.9.3		Communicating Normally *clearance denial*			
A1.4.10.10	SUGGEST ALIERNATIVE TO CLE	ARANCE REQUEST FROM CONTRO	LLER		
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
41.4.16.10.1	PERFORM VSCS, Communications	Initiating G/G *clearunce alternative*			
A1.4.10.10.2		?. Sending ATC Mail ernative*			
41,4,18,11	RECEIVE TMU-GENERATED ABSO	DRPTICY MANEUVER			
	TASK TYPE: R	COORD MEDIA:	FREQUENCY: LO	N CRITICALITY: LOW	
A1,4,1Ø.11,1	and _Metering_/	ing Advisory List Header Advisory List Entry on sory_list for absorption mation		Metering_Advisory_List_Header Metering_Advisory_List_Entry Metering_Advisory_List	1 1 1
A1.4.10.12	ENTER ABSORPTION MANEUVER				
	TASK TYPE: E	COURD MEDIA:	FREQUENCY: LO	CRITICALITY: LGM	
A1,4,10,12,1		ement_Absorption_Maneuver		Implement_Absorption_Maneuver	1
A1.4.10.12.2	EXECUTE _lmple message	ment_Absorption_Maneuver		Implement_Absorption_Moneuver	1
A1,4,10.12.3	DETECI Messag _Mossage_Compo	e_Accept_Indicator on sition_And_Response_Displa		Message_Accept_Indicator Message_Composition_And_Response_Display	1

	Task Eleme		
TASK NUMBER / ELEMENT NUMBE		OBJECTS	NO. OF OBJECTS
1.4.11.1	DETERMINE NEED FOR TRIAL PLAN		
	TASK TYPE: A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1,4,1i,1,1	ACQUIRE _Fosition_Symbol, _Duta_Block, _Weother_Descriptor, and_Bockground_Descripter on _Situation_Display to determine possible utility of trial plan	Position_Symbol Doto_Block Weather_Descriptor Background_Descriptor Situation_Display	30 27 1 1
11,4,11,1,2	SYNTHESIZE altitude, route, weather, special use airspace, and time information into a complete mental traffic picture to determine possible utility of trial plan		
A1,4.11,1,3	DECIDE need for _Trial_Plan	Trial_Plan	1
A1,4.11,2	REQUEST SPECIFIED PLAN(S) FOR AIRCRAFT		
	TASK TYPE: E/R COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1.4.11.2.1		Retrieva_Plan	1
A1.4.11.2.2	EXECUTE _Retrieve_Plan message	Retrieve_Plan	1
A1,4,11,2,3	DETECT appearance of selected _Trial_Plan_Readout or original _Flight_Data in _Flight_Data_Readout_Are	Trial_Plan_Readout Flight_Data Flight_Data_Readout_Area	1 1 1
A1.4,11.3	RECEIVE NOTICE OF RETRIEVED TRIAL PLAN INVALIDITY		
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
41.4.11.3.1	SEARCH_Flight_Plan_Readout_Area for information pertaining to system acceptance of selected trial plan	Flight_Plan_Readout_Area	1
A1.4.11.3.2	DETECT _Indication_Of_Invalidity_For_Air croft *invalid trial plan* in _Trial_Plan_Repdout	<pre>Indication_Of_Invalidity_For_Aircraft Trial_Plan_Readout</pre>	1
A1.4.11.3.3	EXTRACT _indication Of_invalidity_For_Aircraft from _Trial_Plan_Readout on Flight Data Display	Indication_Of_Invalidity_For_Aircraft Trial_Plan_Readout	1
41,4,11,4	REVIEW RETRIEVED PLAN(S) FOR CORRECTNESS/ APPROPRIA	TENESS TO TRAFFIC SITUATION	
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY. LOW CRITICALITY, LOW	
a1,4,11,4,1	ACQUIRE Flight Data Entry and Time on Flight Data Display *for information pertaining to selection of trial plan or flight plan*	Flight_Dota_Entry Time Flight_Dota_Display	27 1 1
A1.4.11.4.2	A/O  ACQUIRE _Traffic_Management_Advisory_Lis t for traffic management constraints	Traffic_Management_Advisory_List	1
A1.4.11.4.3	SYNTHESIZE altituda, route, destination, speed, time, and traffic munagement/metering information into a mental traffic picture with regard to retrieved plan		

			Task Eleme	ent Report			
TASK NUMBER		STATEMENTS AND	5 / DATA				NO. OF
ELEMENT NUMB	ER TASK	ELEMENT S	TATEMENIS		90	JECTS (	OBJECT:
1.4.11.4	REVIEW RETRIEVED	PLAN(S)	OR CORRECTNESS/ APPROPRIATE	ENESS TO TRAFFI	C SITUA	TION	
	TASK TYPE:	2/A	COORD MEDIA:	FREQUENCY: LOW		CRITICALITY: LOW (Continued)	
11.4.11.4.4			ved triol or flight plan th mental traffic picture				
11.4.11.4.5			ness/ appropriateness of to mental traffic picture				
11,4,11.5	ENTER TRIAL PLAT	 N					
	TASK TYPE:	E	COORD MEDIA:	FREQUENCY LOW	i	CRITICALITY: LCW	
1.4.11.5.1			ı_Plan_Build message			len_Bulld	1
13,4,11,5.2	EXEC	UTE _Triol	_Plan_Build message		Triol_8	'ion_Build	1
11.4,11.5.3			Plon_Reodout message in eadout_Area			Plan_Reodout Data_Reodout_Area	4 1
A1,4,11,6	ENTER TRIAL PLA	N AMENDMEN	т				
	TASK TYPE:	E	COORD MEDIA:	FREQUENCY: LO	1	CRITICALITY: LCH	
11.4.11.6.1	INIT	TATETric	l_Plan_Amendment message		Triol_	lan_Amendment	1
41,4,11,6,2	EXEC	מדב _דריסן	_Plan_Amendment message		Triol_	Pian_Amendment	1
A1.4.11.6.3			nce of modified or new nt_Data_Entry		Flight	_Data_Entry	1
41,4,11,7	REQUEST QUICK 1	RIAL PLAN	1ING				
	TASK TYPE:	: E	COOPD MEDIA:	FREQUENCY: LO	И	CRITICALIYY: LOW	
A1.4.11.7.1	INI	TIATE _Qui	ck_Trial_Planning message		Quick_	Trial_Planning	1
11.4.11.7.2	EXEC	CUTE _Quic	_Trial_Planning message		Quick_	Trial_Planning	1
A1.4.11.7.3			once of _Trial_Plan_Readout Flight_Data_Readout_Area			Plan_Readout _Oota_Ræaoout_Area	4 1
A1.4.11.8	REQUEST TRIAL F	PLAN ROUTE	DISPLAY				
	TASK TYPE:	: E/R	COORD MEDIA:	FREQUENCY: LO	W	CRIFICALITY: LOW	
A1,4,11,8,1		TIATÉ _Req messaye	uest_Trial_Plan_Route_Displ		keques	t_Trial_Pian_Route_Display	1
A1 4.11.8.2		CUTE _Requ essage	est_Trial_Plan_Route_Disp)u		Reques	t_Trial_Plan_Route_Display	1
A1.4.11.8.3	_\$11		Plan_Route_Display on Splay for route information al plan			Plan Route_Display ion_Display	1
A1.4,11.8.4	0ETr _Tr	ECT_Route ial_Plan_R	_Display on oute_Display			Display Plan_Route_Display	1
A1.4.11.8.5	die iol Tr	ation, Yr ation Indi ial Pian A	l_Plan_Airspace_Conflict_In ial_Plan_Flow_Restriction_V cation, or ircraft_Conflict_Indication lan_Route_Display		Trial Trial	Plan_Airspace_Conflict_Indication Plan_Flow_Restriction_Violation_Indis Plan_Aircraft_Conflict_Indication Plan_Route_Cosplay	1 (at 1 1 1

		Task Elem	ent Report		
TASK NUMBER /	TASK STATEMENTS /				NO. GF
ELEMENT NUMBER		EMENTS		OBJECTS	OBJECTS
1.4.11.9 EV	VALUATE TRIAL PLANNING RESU	LTS FOR CORRECTNESS/ APP	ROPRIATENESS TO TRAF	FIC SITUATION	
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
1.4.11,9.1	ACQUIRF _Data_Blo	ck, _fosition_Symbol,		Block Jion Symbol	27
	and Weather Descr Situation Displa	riptor on ny - *for information nopriateness of trial	Posit Weath	30 1	
	plan*	ropriateness of trial	S; tuo	ation_Display	1
11.4.11.9.2		Oata_Entry and _Time on		nt_Data_Entry	27
		play *for information or operation or operation or operation of the control of th	Time Flig	nt Data Display	1
	plen*	·	, , , ,	10_0000_015 ,10	•
11.4.11.9.3	ACQUIRE _Traffic	Management_Advisory_Lis nagement information	Traf	fic_Management_Advisory_List	1
A1 4.11.9.4	SYNTHESIZE altitu traffic managemen	ide, route, speed, time,			
	information into picture	a mental troffic			
A1.4.11.9.5	COMPARE _Trial_P: traffic picture	lan_Readout with mental	Trio	l_Plon_Reodout	4
11.4.71.9.6	ASSESS appropriate with regard to the picture	teness of _Trial_Plan ne mental traffic	Tria	1_P1on	4
A1,4.11,10 F	ORMULATE TRIAL PLAN MENIAL			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
		COORD MEDIA:	FREQUENCY: MED	CRITICALITY: LOW	
a1,4,11,18,1	TASK TYPE: A ACQUIPE Data 81	COORD MEDIA:		_Block	27
a1,4,11,10,1	TASK TYPE: A  ACQUIRE Data Bl and Weather Des	COORD MEDIA:  uck, _Position_Symbol, criptor on	Data Posi	_Bleck tion_Symbol	27 30 1
a1,4,11,10,1	TASK TYPE: A  ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*	COORD MEDIA:	Data Posi Weat	_Block	30
a1.4.11.10.1 A1.4.11.10.2	TASK TYPE: A  ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/O ACQUIRE Flight	COORD MEDIA:  ock, Position_Symbol, criptor on ay *for information rmulation of a mental  Data Entry and Time on	Boto Posi West Situ Flig	n Block tion Symbol wher_Descriptor notion_Display not_Data_Entry	30 1 1
	TASK TYPE: A  ACQUIPE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/O  ACQUIRE Flight Flight Data Dis pertaining to fo	COORD MEDIA:  ock, Position_Symbol, criptor on ay *for information rmulation of a mental	Boto Posi Weat Situ Fliq Time	Block tion_Symbol ther_Descriptor oction_Display	30 1 1
	TASK TYPE: A  ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/O  ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  A/O  ACQUIRE Traffic	COORD MEDIA:  ock, Position_Symbol, criptor on ay *for information rmulation of a mental  Data_Entry and _Time on play *for information rmulation of mental  Management Advisory Lis	Data Posi Weat Situ Flig Time Flig	n_Block tion_Symbol .her_Descriptor notion_Display .ht_Data_Entry	30 1 1 27 1
A1.4.11,10.2	ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  ACQUIRE Traffic t for traffic mo	ccord MEDIA:  ock, _Position_Symbol, criptor on  ay     *for information rmulation of a mental  Data_Entry and _Time on play     *for information rmulation of mental  -Management_Advisory_Lis snagement information	Data Posi Weat Situ Flig Time Flig	n_Block tion_Symbol ther_Descriptor potion_Display ght_Dato_Entry pht_Dato_Display	30 1 1 27 1
A1.4.11.10.2	ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/O ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  A/C ACQUIRE Traffic t for traffic mo	COORD MEDIA:  uck, Position_Symbol, criptor on  ay *for information rmulation of a mental  Data_Entry and _Time on play *for information rmulation of mental  Management_Advisory_Lis inagement information ude, route, weather,	Botc Posi Weat Situ Flig Timm Flig Tra	n_Block tion_Symbol ther_Descriptor potion_Display ght_Dato_Entry pht_Dato_Display	30 1 1 27 1
A1.4.11.10.2	ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/O ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  A/O ACQUIRE Traffic t for traffic mo SYNTHESIZE altit time, and traffi into mental traf	ccord MEDIA:  ock, _Position_Symbol, criptor on  ay     *for information rmulation of a mental  Data_Entry and _Time on play     *for information rmulation of mental  -Management_Advisory_Lis snagement information	Botc Posi Weat Situ Flig Timm Flig Tra	n_Block tion_Symbol ther_Descriptor potion_Display ght_Dato_Entry pht_Dato_Display	30 1 1 27 1
A1.4.11.10.2	ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/Q ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  A/Q ACQUIRE Traffic t for traffic mo  SYNTHESIZE altit time, and traffi into mental trai to formulating o	COORD MEDIA:  uck, Position_Symbol, criptor on ay *for information rmulation of a mental  Data_Entry and _Time on play *for information rmulation of mental  _Management_Advisory_Lis inugement information ude, route, weather, ic management information fic picture with regard	Botc Posi Weat Situ Flig Timm Flig Tra	n_Block tion_Symbol ther_Descriptor potion_Display ght_Dato_Entry pht_Dato_Display	30 1 1 27 1
A1.4.11.10.2  A1.4.11.10.3  A1.4.11.10.4  A1.4.11.10.5	ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/O ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  A/C ACQUIRE Traffic t for traffic mo SYNTHESIZE altit time, and traffi into mental trai to formulating of FORMULATE o ment basis of the men	ccord Media:  ock, Position Symbol, criptor on  ay *for information rmulation of a mental  Data Entry and Time on play *for information rmulation of mental  Management Advisory Lis inagement information ude, route, weather, c management information fic picture with regard i mental trial plan cal trial plan on the stal traffic picture	Boto Posi West Situ Flig Time Flig Tra	n_Block tion_Symbol ther_Descriptor potion_Display ght_Data_Entry ght_Data_Display  ffic_Management_Advisory_List	30 1 1 27 1 1
A1.4.11.10.2  A1.4.11.10.3  A1.4.11.10.4  A1.4.11.10.5	ACQUIRE Data Bloom Leather Des Situation Displer pertaining to four trial plans A/O ACQUIRE Flight Flight Flight for trial plans A/O ACQUIRE Traffic to for traffic me SYNTHESIZE altitione, and traffic into mental traffic to formulating to formula	COORD MEDIA:  ock, _Position_Symbol, criptor on  ay	Post Posi Weat Situ Flig Timm Flig Tra	p_Block tion_Symbol ther_Descriptor potion_Display  ght_Data_Entry tht_Data_Display  Ffic_Munagement_Advisory_List  PLAN/ TRAFFIC/ WEATHER  CRITICALITY: MCD	30 1 1 27 1 1
A1.4.11.10.2  A1.4.11.10.3  A1.4.11.10.4  A1.4.11.10.5	ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/O ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  A/O ACQUIRE Traffic t for traffic mo SYNTHESIZE altit time, and traffic into mental trai to formulating of FORMULATE a ment hasis of the men	COORD MEDIA:  ock, _Position_Symbol, criptor on  ay	Post Post Weat Situ Flig Time Flig Tra  PLAN AGAINST FLIGHT FREQUENCY: LOW	PLAN/ TRAFFIC/ WEATHER  CRITICALITY: MED  Cation Symbol  Amer Descriptor  Desc	30 1 1 27 1 1
A1.4.11.10.2  A1.4.11.10.3  A1.4.11.10.4  A1.4.11.10.5	ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/O ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  A/O ACQUIRE Traffic t for traffic me SYNTHESIZE altit time, and traffi into mental trai to formulating of FORMULATE of ment hasis of the men  EVALUATE ALERT OF PREDICTED TASK TYPE: R/A  EXTRACI Collsig Alert Condition	COORD MEDIA:  ock, _Position_Symbol, criptor on  ay	Post Post Weat Situ Flig Time Flig Tra  PLAN AGAINST FLIGHT FREQUENCY: LOW Cal Ale	p_Block tion_Symbol ther_Descriptor potion_Display  pht_Data_Entry pht_Data_Display  Ffic_Management_Advisory_List  PLAN/ TRAFFIC/ WEATHER  CRITICALITY: MCD  lsign pt_Type	30 1 1 27 1 1
A1.4.11.10.2  A1.4.11.10.3  A1.4.11.10.4  A1.4.11.10.5	ACQUIRE Data Bl and Meather Des Situation Displ pertaining to fo trial plan*  A/O ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  A/C ACQUIRE Traffic t for traffic mo SYNTHESIZE altit time, and traffi into mental trai to formulating of FORMULATE o ment hasis of the mer  EVALUATE ALERT OF PREDICTED TASK TYPE: R/A  EXTRACI _ Condition sible Violation	COORD MEDIA:  ock, _Position_Symbol, criptor on  ay	PLAN AGAINST FLIGHT FREQUENCY: LOW  Cal	PLAN/ TRAFFIC/ WEATHER  CRITICALITY: MED  Cation Symbol  Amer Descriptor  Desc	30 1 1 27 1 1
A1.4.11,10.2  A1.4.11,10.3  A1.4.11,10.4  A1.4.11.10.5	ACQUIRE Data Bl and Weather Des Situation Displ pertaining to fo trial plan*  A/O ACQUIRE Flight Flight Data Dis pertaining to fo trial plan*  A/O ACQUIRE Traffic t for traffic me SYNTHESIZE altit time, and traffi into mental trai to formulating of FORMULATE of ment hasis of the men  EVALUATE ALERT OF PREDICTED TASK TYPE: R/A  EXTRACI Collsig Alert Condition	COORD MEDIA:  ock, _Position_Symbol, criptor on  ay	PLAN AGAINST FLIGHT FREQUENCY: LOW  Cal Ale Sec	PLAN/ TRAFFIC/ WEATHER  CRITICALITY: MCD  Isign to Type  rt Type  rt Type  rt Condition	30 1 1 27 1 1

		ent Report	
TACK ANAMOED /	TASK STATEMENTS / DATA		NO. OF
ELEMENT NUMBER	AND TASK ELEMENT STATEMENTS	OBJECTS	08JECTS
.1.4.11.11 EV	VALUATE ALERT OF PREDICTED PROBLEM WITH SPECIFIED PL	AN AGAINST FLIGHT PLAN/ TRAFFIC/ WEATHER	<b></b>
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED (Continued)	
1,4,11,11,2		Special Use Airspace Identification Time To Penetration Partition Identification	1 1 1
		Restriction_Identification AERA_Alert_Display	ί
A1.4.11.11.3	A/O ACQUIRE Data Block, Position_Symbol, and _Weather_Descriptor on _Situation_Display *for information pertaining to evaluating trial or flight plan alert*	Data_Block Position_Symbol Weather_Descriptor Situation_Disploy	27 30 1 1
A1.4.11.11.4	A/O  ACQUIRE_Flight_Data_Entry and _Time on _Flight_Data_Display	Flight_Doto_Entry Time	27 1
	pertaining to evaluating trial or flight plan alert*	Flight_Data_Display	i
A1,4,11,11.5	ACQUIRE _Traffic_Management_Advisory_Lis t for traffic management constraints	Traffic_Management_Advisory_List	1
41,4.11,11.6	SYNTHESIZE altitude, route, weather, speed, AERA, and traffic management information into a mental traffic picture with regard to evaluating trial plan alert		
A1.4.11.11.7	EVALUATE trial plan alert in regard to mental traffic picture to determine if additional information is needed		
A1,4,11,12 R	ECEIVE ALERT OF PREDICTED PROBLEM WITH SPECIFIED PL	AN	
	TASK TYPE: R COORD MEDIA:	FREQUENCY: LOW CRITICALITY MED	
A1,4.11.12.1	TASK TYPE: R COORD MEDIA:  SEARCH _AERA_Alert_Display *for presence of plan alerts*	FREQUENCY: LOW CRITICALITY MED  AERA_Alert_Display	1
A1,4.11.12.1 A1,4.11.12.2	SEARCH _AERA_Alert Display *for	AERA_Alert_Disploy	
	SEARCh _AERA_Alert_Display *for presence of plan alerts* DETECT Trial Plan Aircraft Conflict Ale	AERA_Alert_Disploy  Tricl_Plon_Aircruft_Conflict_Alert  AERA_Alert_Disploy	1
A1,4.11.12.2	SEARCh _AERA_Alert_Display *for presence of plan alerts* DETECT _Trial_Plan_Aircraft_Conflict_Ale rt from _AERA_Alert_Display 0 DETECT _Trial_Plan_Airspace Conflict_Ale	AERA_Alert_Disploy  Tricl_Plon_Aircroft_Conflict_Alert AERA_Alert_Disploy  Triol_Plon_Airspace_Conflict_Alert AERA_Alert_Display	1 1 1
A1,4,11,12,2 A1,4,11,12,3 A1,4,11,12,4	SEARCH _AERA_Alert_Display *for presence of plan alerts*  DETECT _Trial_Plan_Aircraft_Conflict_Ale rt from _AERA_Alert_Display 0  DETECT _Trial_Plan_Airspace_Conflict_Ale rt on _AERA_Alert_Display 0  DETECT _Trial_Plan_Flow Restriction_Conf	AERA_Alert_Disploy  Tricl_Plon_Aircroft_Conflict_Alert AERA_Alert_Disploy  Triol_Plon_Airspace_Conflict_Alert AERA_Alert_Display  Triol_Plon_Flow_Restriction_Conflict_Alert AERA_Alert_Display	1 1 1 1 1
A1,4,11,12,2 A1,4,11,12,3 A1,4,11,12,4	SEARCH _AERA_Alert_Display *for presence of plan alerts*  DETECT _Trial_Plan_Aircroft_Conflict_Ale rt from _AERA_Alert_Display 0  DETECT _Trial_Plan_Airspace_Conflict_Ale rt on _AERA_Alert_Display 0  DETECT _Trial_Plan_Flow_Restriction_Conflict_Alert from _AERA_Alert_Display	AERA_Alert_Display  Trial_Plan_Aircraft_Conflict_Alert AERA_Alert_Display  Trial_Plan_Airspace_Conflict_Alert AERA_Alert_Display  Trial_Plan_Flow_Restriction_Conflict_Alert AERA_Alert_Display	1 1 1 1 1
A1,4,11,12,2 A1,4,11,12,3 A1,4,11,12,4	SEARCH _AERA_Alert_Display *for presence of plan alerts*  DETECT _Trial_Plan_Aircraft_Conflict_Ale rt from _AERA_Alert_Display 0  DETECT _Trial_Plan_Airspace_Conflict_Ale rt on _AERA_Alert_Display 0  DETECT _Trial_Plan_Flow_Restriction_Conflict_Alert_from _AERA_Alert_Display	AERA_Alert_Disploy  Tricl Plon_Aircruft_Conflict_Alert AERA_Alert_Disploy  Triol Plon_Airspace_Conflict_Alert AERA_Alert_Display  Triol_Plon_Flow_Restriction_Conflict_Alert AERA_Alert_Display  ON VIOLATION  FREQUENCY: LOW CRITICALITY: LOW	1 1 1 1 1
A1,4,11,12,2 A1,4,11,12,3 A1,4,11,12,4 A1,4,11,13 R	SEARCH _AERA_Alert_Display *for presence of plan alerts*  DETECT _Trial_Plan_Aircraft_Conflict_Ale rt from _AERA_Alert_Display 0  DETECT _Trial Plan Airspace_Conflict_Ale rt on _AERA_Alert_Display 0  DETECT _Trial_Plan_Flow_Restriction_Conflict_Alert from _AERA_Alert_Display 0  DETECT _Trial_Plan_Flow_Restriction_Conflict_Alert from _AERA_Alert_Display 0  RECEIVE TRIAL_PLAN_NOTICE_OF_NO_CONFLICT/_RESTRICTION TASK_TYPE: R	AERA_Alert_Disploy  Tricl Plon_Aircruft_Conflict_Alert AERA_Alert_Disploy  Triol Plon_Airspace_Conflict_Alert AERA_Alert_Display  Triol_Plon_Flow_Restriction_Conflict_Alert AERA_Alert_Display  ON VIOLATION  FREQUENCY: LOW CRITICALITY: LOW	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
A1.4.11.12.2  A1.4.11.12.3  A1.4.11.12.4  A1.4.11.13 R  A1.4.11.13.1  A1.4.11.13.2  A1.4.11.13.3	SEARCH _AERA_Alert_Display *for presence of plan alerts*  DETECT _Trial_Plan_Aircraft_Conflict_Ale rt from _AERA_Alert_Display	AERA_Alert_Disploy  Tricl_Plan_Aircraft_Conflict_Alert AERA_Alert_Disploy  Triol_Plan_Airspace_Conflict_Alert AERA_Alert_Disploy  Triol_Plan_Flow_Restriction_Conflict_Alert AERA_Alert_Disploy  ON VIOLATION  FREQUENCY: LOW CRITICALITY: LOW  Triol_Plan_Readout Flight_Data_Readout_Area  No_Conflict_Indication Trial_Plan_Readout  No_Restriction_Violation Trial_Plan_Readout	1 1 1 1 1 1 1 1 1 1
A1.4.11.12.2  A1.4.11.12.3  A1.4.11.12.4  A1.4.11.13 R  A1.4.11.13.1  A1.4.11.13.2	SEARCH _AERA_Alert_Display *for presence of plan alerts*  DETECT _Trial_Plan_Aircraft_Conflict_Ale rt from _AERA_Alert_Display	AERA_Alert_Disploy  Tricl_Plon_Aircraft_Conflict_Alert AERA_Alert_Disploy  Triol_Plon_Airspace_Conflict_Alert AERA_Alert_Disploy  Triol_Plon_Flow_Restriction_Conflict_Alert AERA_Alert_Disploy  ON VIOLATION  FREQUENCY: LOW	1 1 1 1 1 1 1 1 1
A1.4.11.12.2  A1.4.11.12.3  A1.4.11.12.4  A1.4.11.13 R  A1.4.11.13.1  A1.4.11.13.2	SEARCH _AERA_Alert_Display *for presence of plan alerts*  DETECT _Trial_Plan_Aircroft_Conflict_Ale rt from _AERA_Alert_Display	AERA_Alert_Disploy  Tricl_Plon_Aircruft_Conflict_Alert AERA_Alert_Disploy  Triol_Plon_Airspace_Conflict_Alert AERA_Alert_Disploy  Triol_Plon_Flow_Restriction_Conflict_Alert AERA_Alert_Disploy  ON VIOLATION  FREQUENCY: LOW CRITICALITY: LOW  Iriol_Plon_Readout Flight_Data_Readout_Area  No_Conflict_Indication Triol_Plon_Readout  No_Restriction_Violation Trial_Plon_Readout	1 1 1 1 1 1 1 1 1

	Task Elei	ment Report	
TASK NUMBER	TASK STATFMENTS / DATA / AND ER TASK ELEMENT STATEMENTS		NO. OF
ELEMENT NUMBI	ER TASK ELEMENT STATEMENTS	08JECTS	OBJECTS
A1,4,11,14	DELETE TRIAL PLAN		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LGW CRITICALITY: LOW (Continued)	
A1.4.11.14.2		Delete_Trial_Plan	1
A1.4.11.14.3	_Delete_Triol_Plon	Delete_Trial_Plan	1
A1,4,11.15	ENTER TRIAL PLAN SAVE		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1.4.11.15.1		Sove_Tricl_Plan	1
A1.4.11.13.2	EXECUTE _Sove_Trial_Plan message	Sove_Trial_Plan	1
A1.4.11.15.3	DETECT system acceptance of _Sove_Triol_Plan message	Sove_Triol_Plan	1
A1.4.11.16	REQUEST AIRCRAFT CONFLICT DISPLAY		
	TASK TYPE: E/R COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
A1.4.11.16.1	INITIANE _Request_Aircroft_Conflict_Disp lay message	Request_Aircraft_Conflict_Display	1
A1.4.11.16.2	<pre>EXECUTE _Request_Aircraft_Conflict_Displ ay message</pre>	Request_Aircroft_Conflict_Display	1
A1.4.11.16.3		Aircraft_Conflict_Display	1
A1.4.11.16.4	SEARCH _Aircraft_Conflict_Display on _Situation_Display for information regarding Conflict situation	Aircraft Conflict Display Situation Display	1
A1.4.11.16.5	EXTRACT _Callsign, _Route_Of_Aircraft, and _Violation_Area from _Aircraft_Conflict_Display	Callsign Route_Of_Aircraft Violation_Area Aircraft_Conflict_Display	1 1 1
A1.4.11.16.6	EXTRACT _Current_Controlling_Sector, Sector/Facility Violation, and	Current Controlling Sector Sector/Facility Violation	1
	_Time_To_Violation_from _Aircraft_Conflict_Oisplay	Time To Violation Aircraft Conflict Display	1
A1.4.11.17	REQUEST AIRSPACE CONFLICT DISPLAY		
	TASK TYPE. E/R COORD MEDIA.	FREQUENCY: LOW CRITICALITY: LOW	
A1.4.11.17.1	<pre>INITIATE _Request_Airspace_Conflict_Disp lay message</pre>	Request_Airspace_Conflict_Display	1
Λ1.4.11.17.2	EXECUTE _Request_Airspace_Conflict_Disp ay message	Request_Airspace_Conflict_Display	1
A1.4.11.17.3	SEARCH _Airspace_Conflict_Display on _Situation_Display for informution regarding airspace conflict situation	Airspace_Conflict_Display Situation_Display	1
A1.4.11.17.4		Collsign Violeties Assa	1
	Route_Of_Aircraft, _Current_Controlling_Sector_from	Violation_Area Route_Of_Aircraft	1
	_Airspace_Conflict_Display	Current Controlling Sector Airspace Conflict Display	1 1

		Task Eleme	ent Report		
TASK NUMBER /	TASK STATEMENTS / AND	DATA			NO. CF
ELEMENT NUMBE	AND R TASK ELEMENT STAT			OBJECTS	OBJECTS
(1.4.11.17	REQUEST AIRSPACE CONFLICT DI				
	TASK TYPE: E/R	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW (Continued)	
A1,4,11,17,5	a			ecial_Use_Airspace	1
	_Terrain_Area, _S	Use_Airspace or Special_Use_Airspace_Ide Terrain_Area_Identificat ce_Conflict_Display	le So	rrain_Area pecial Use Airspace Identificution	1
	ion from _Airspac	ce_Conflict_Display	Te	errain_Area_Identification	1
			Ai	rspace_Conflict_Display	1
A1,4.17.17.6	EXTRACT _Sector/F	Facility_Containing_Poss	Se	ector/Facility_Containing_Possible_Pene	rati 1
	ible_Penetration	, _Time_To_Penetration,	Ti Ot	.me_To_Penetration .her_Special_Use_Airspace	1 1
	_Other_Terrain_Ar	se_Airspace, and rea from the	Ot.	her Terrain Area	i
	_Airspace_Conflic	ct_Display		rspace_Conflict_Display	1
 A1.4.12.1	INHIBIT AUTOMATIC HANDOFF FO	OR ALL TRACKS OR EOW DEST	GNATED TRACK		
MI				CRITICALITY LOW	
		COORD MEDIA:			
A1.4.72.1.7	INITIATE _Inhibi message	t_Automatic_Handoff	Ir	nhibit_Automatic_Handoff	1
A1.4.12.i 2	EXECUTE _Inhibit message	_Automotic_Handoff	1r	nhibit_Automatic_Handoff	1
A1.4.12.1.3	DETECT _Auto_Han	doff_Inhibited in		uto_Handoff_Inhibited	1
	Handoff_Alert_l	ndication in Full Data on Display and/ or	Hiệ A.	andoff_Alert_Indication uto_Handoff/Pointout_Inhibit_List	1
		_Handoff/Pointout_Inhibi		900_nand01177-0176006_11111.016_2156	'
A1,4,12.2	RESTORE AUTOMATIC HANDOFF F	OR ALL TRACKS OR FOR DES!	GNATED TRACK	*	
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
A1.4.12.2.1		_Automatic_Handoff		nable_Automatic_Handoff	1
A1.4.12.2.2	EXECUTE _Enable_ message	Automatic_Handoff	E	nable_Automatic_Handoff	1
A1.4.12.2.3	RECOGNIZE absenc		A	uto_Handoff_Inhibitea	1
	_Auto_Handoff_Ir	nhibited from (ndication in Full Data	H.	uto_Handoff_Inhibitea andoff_Alert_Indication uto_Handoff/Pointout_Inhibit_List	1
	Block on Situali	ion Display and/ or o_Handoff/Pointout_Inhibi		deo_ndilicott7701ffcode_thirtate_e1se	,
A1.4.12.3	RESTORE AUTOMATIC POINTOUT	FOR SECTOR/ TRACK			
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
A1.4.12.3.1	INITIATE _Restor messoge	re_Automatic_Pointout	R	Restore_Automotic_Pcintout	1
A1.4.12.3.2	EXECUTE _Restore message	e_Automatic_Pointout	к	Restore_Automatic_Pointout	1 .
A1.4.12.3.3	pointou, capabi _Automatic_Poin r in _Full_Data Display	ration of automatic lity by obsence of tout_Suppression_Indicata _Block on Situation	F	Automatic_Paintout_Suppression_Indicator Full_Data_Black	1 1
	A/0				

	Task Eleme	::ric report	
TASK NUMBER	TASK STATEMENTS / DATA		NO. OF
ELEMENT NUMBI	ER TASK ELEMENT STATEMENTS	OBJECTS	OBJECTS
1,4,12,4	INHIBIT AUTOMATIC POINTOUT FOR SECTOR/ TRACK		
	TASK TYPE · E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: LOW	
1.4.12.4.1	INITIATE _Inhibit_Automatic_Pointout message	Inhibit_Automatic_Paintout	1
1.4.12.4.2	<pre>EXECUTE _Inhibit_Automatic_Pointout message</pre>	Inhibit_Automatic_Pointout	1
11.4.12.4.3	DETECT appearance of _Automatic_Pointout_Suppression_Indicate r in _Full_Data_Block on Situation Oisplay and/ or entries in _Auto_Handoff/Pointout_Inhibit_List	Automatic_Pointout_Suppression_Indicator Full_Data_Block Auto_Handoff/Pointout_Inhibit_List	1 1 1
1.4.13.1	RECEIVE REQUEST TO CANCEL AIR TRAFFIC SERVICES		
	TASK TYPE: VC COURD MEDIA: V	FREQUENCY: LOW CRITICALITY: LOW	
13,1,1	PERFORM VSCS, Communicating Normally Air-To-Ground *request from pilot to cancel air traffic services*		
11.4.13.2	TERMINATE RADIO COMMUNICATIONS WITH AIRCRAFT		
	TASK TYPE: VC COORD MEDIA: V	FREQUENCY: LOW CRITICALITY: LOW	
31.4.13.2.1	PERFORM vSCS, Communicating Normally Air-To-Ground "advising a pilot to change to another frequency or that a listening watch is no longer required on assigned frequency*		
11,4,13 3	RECEIVE ARRIVAL MESSAGE		
	TASK TYPE: VC COORD MEDIA: V	FREQUENCY: LOW CRITICALITY: MED	
A1.4.13.3.1	PERFORM VSCS. Receiving G/G Communications *notice of arrival time from Flight Service Station*		· <del>-</del>
A1.4.13.3.2	PERFORM VSCS. Communicating Normally Air-To-Ground *motice from pilot of arrival time at destination airport*		
41.4.13.4	DETERMINE FREQUENCY IN USE BY RECEIVING SECTOR	······································	
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED	
41.4.13.4.1	SEARCH _System_Stotus_Duto_Disploy *for discrete frequency in use by sector*	System_Status_Data_Display	1
A1.4.15.4.2	PERFORM VSCS, Receiving VSCS Status/ Reconfigurations		
A1.4.13.4.3	SEARCH _Static_Information_Display for assigned frequencies	Static_Information_Display	1
A1.4.13.4.4	<pre>EXTRACT ussigned frequency from _Stotic_Information_Display</pre>	Static_Information_Display	1
A1.4.13.5	ISSUE CHANGE OF FREQUENCY TO PILOT		
	TASK TYPE: VC COORD MEDIA: V	FREQUENCY: HI CRITICALITY: MED	
A1.4.13.5.1	PERFORM VSCS, Communicating Normally Air-To-Ground *issuing frequency change to an aircraft*	·	

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TASK NUMBER .	TASK STATEMENTS / DATA / AND ER TASK ELEMENT STATEMENTS			NO. OF
ELEMENT NUMBE	ER TASK ELEMENT STATEMENTS		08JECTS	OBJECTS
11.4,13.6	RECEIVE INITIAL RADIO CONTACT FROM PILOT			
	TASK TYPE: VC COORD MEDIA: V	FREQUENCY: HI	CRITICALITY: HI	
A1.4.13.6.1	PERFURM VSCS, Communicating Normally Air-To-Ground *initial call from pilot reporting his presence on frequency*			
41.4.13.7	ISSUE ALTIMETER SETTING			
	TASK TYPE: R/VC COORD MEDIA: V	FREQUENCY: HI	CRITICALITY: MED	
A1.4,13.7.1	SEARCH _Aeronautical_And_Meteorlogical_D ata_Display *for current altimeter setting for specific area*		Aeronautical_And_Meteorlogical_Data_Display	1
A1.4.13.7.2	<pre>EXTRACT _Altimeter_Setting from _Aeronoutical_And_Meteorological_DataO</pre>		Altimeter_Setting Aeronautical_And_Meteorological_Data	1
41.4,13.7.3	EXTRACT _Altimeter_Setting from _Surface_Observation on Aeronautical And Meteorological Data Display		Altimeter_Setting Surface_Observation	1
A1.4, <b>13.</b> 7,4	PERFORM VSCS, Communicating Normally Air-To-Ground *issuing altimeter to a pilot along route or at destination*			
A1.4.13.8	VERIFY AIRCRAFT ALTITUDE			
	TASK TYPE: R/A/VC COORD MEDIA: V	FREQUENCY: HI	CRITICALITY: HI	
A1.4.13.8.1	SEARCH _Full_Data_Black on _Situation_Disploy for system reported altitude of aircraft in question		Full_Data_Block Situation_Oisplay	1
A1.4.13.8.2	EXTRACT _Callsign, _Mode_C_Altitude or _Pilot-Reported_AltItude, _ Assigned_AltItude or _Interim_AltItude from _Full_Dota_Block on Situation Display		Callsign Mode_C_Altitude Pilot-Reported_Altitude Assigned_Altitude Interim_Altitude Full_Data_Block	1 1 1 1 1
41.4.15.8.3	O SEARCH _Flight_Data_Entry on _Flight_Data_Display for system reported altitude of urcraft in question		Flight_Oato_Entry flight_Cata_Oisplay	27 1
A1.4.13.8.4	EXTRACT _Assigned_Altitude, _Reported_Altitude, _Made_C_Altitude from _Flight_Dato_Entry of direraft in question		Assigned_Altitude Reported_Altitude Mode_C_Altitude Flight_Dato_Entry	1 1 1
A1.4.13.8.5	PERFORM VSCS, Communicating Normally Air To-Ground *request for pilot report of altitude of aircraft*			
A1.4.13.8.6	COMPARE pilot reported/ system reported altitude with assigned altitude			
A1.4.15.8.7	DECIDE aircraft altitude is within tolerance limits			
A1.4.14.1	OBSERVE TARGET ENTERING RADAR COVERAGE			
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: H	I CRITICALITY: MED	
A1,4.14.1.1	SEARCH _Situation_Display for presence of new radar targets		Situotion_Display	1

			Task Elem	nent Report			
TASK NUMBER /	T ZR T	ASK STATEME AND ASK ELEMENT	NTS / DATA ) STATEMENTS		0	BJECTS	NO. OF
				ERECHENCY: HT		CRITICALITY: MED. (Continued)	
M.a.14.1.2			get Position Symbol,			CRITICALITY: MED (Continued) Position Symbol	<b>-</b> 30
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Track Posit	get_rustrion_symbol, .ion_Symbol, and Block from Situation Display		Track	Position_Symbol outa_Block	27 27
11.4.14.1.3	- 0	Primory_Tar issociated v ir _Data_Blo	pronce of new rget Class_Symbol not with _Truck_Position_Symbol book on Situation Display			y_Target_Class_Symbol Position_Symbol lock	1 1
41.4.14.1.4	ā	ETECT appearance Beacon_Targ ssociated w	orance of new jet Category Symbol not with Track Position Symbol ock on Situation Display			n_Target_Category_Symbol Position_Symbol Nock	1 1 1
A1.4.14 2	INFORM PILOT	THAT RADA	R CONTACT IS ESTABLISHED				
	TASK TY	PE: VC	COORD MEDIA: V	FREQUENCY: LO	XI	CRITICALITY: MED	
A1.4.14.2.1	A	∖ir-To-Grow	CS, Communicating Normally nd *advising pile, that ct has been established*				
A1.4.14.3	CONDUCT RADA	AR IDENTIFI	CATION PROCEDURES				
	TASK TY	/PE: VC/R	COORD MEDIA: V	FREQUENCY: ME	D	CRITICALITY: HI	
A1.4.74.3.1	A		S, Communicating Normally nd *radar identification				
A1.4.14.3.2	-	_Background _Situation_ reported fi	t Position Symbol, Descriptor on Display *for target over x, target within 1 mile of or observing target turning*		Backgr	t_Position_Symbol round Descriptor tion_Display	30 1 3
A1.4.14.3.3	-	_Dota_Block identificat	t_Pasition_Symbol, , on _Situation_Display *for ion activation, code change, rmal operation*		Outa_I	t_Position_Symbol Block tion_Display	30 27 1
A1.4.14.3.4		DETECT appr _Target_Pos	opriate response in ition_Symbol		Targe	t_Position_Symbol	1
A1.5.1.1	OBSERVE DIS	PLAY UF WEA	THER LINEZ INTENSITY/ BASEZ H	HLIGHT/ MUVEMEN	- <b>-</b> 1	<del></del>	
	TASK 1	YPE: R/A	COORD MEDIA:	FREQUENCY: LO	0W	CRITICALITY: HI	
A1.5.1.1.1		_Situation_				er_Descriptor tion_Display	1
A1.5.1.1.2		ACQUIRE _We _Weather_Di	A/O eather_Descriptor on isplay A/O			er_Descriptor er_Display	1 1
A1.5.1.1.3		ACQUIRE _Ae _Duta und/ ogica)_Aler	eronautical_And_Meteorologica or _Aeronautical_And_Meteoro	1	Aeron	ioutical_And_Meteorological_Data ioutical_And_Meteorological_Alert ioutical_And_Meteorological_Data_Disp	1 1 play 1
A1.5.1.1.4		_Situation	weather information from Display, Weather_Display, Jutical_And_Meteorological_Da	Ŀ	Weath	ition_Display Per_Display Pautical_And_Meteorological_Dota_Disp	olay 1

·			IGSK Elem	ent Report				
TASK NUMBER /		ASK STATEMENTS AND						NO. CF
TASK NUMBER / ELEMENT NUMBER	} T/	ASK ELEMENT ST	ATEMENTS			OBJECTS		OBJECTS
1.5,1.1 (	OBSERVE DISPL	AY OF WEATHER	LINE/ INTENSITY/ BASE/ HE	IGHT/ MOVENE	[NT			
	TASK TVI	PE: R/A	COORD MEDIA:	FREQUENCY:	LOM	CRITICALITY: HI	(Continued)	
1.5.1.1.5			of weather conditions					
1.5.1.1.6	tı		mensions and movement of such data are not					
1.5.1.2	DETECT A&M A	LERT						
	TASK TY	PE: R	COORD MEDIA:	FREQUENCY:	FOM	CRITICALITY: HI		
1.5.1.2.1	t	a_Display fer	ical_And_Meteorological_Do the presence of And_Meteorological_Alert		Aer Aer	onautical_And_Meteoro onautical_And_Meteoro		
1.5.1.2.2	0		PIREP or _ASM_Alert_NOTAM Bl_And_Meteorolog*col_Dota		M&A	ent_PIREP 1_Alert_NOTAM  ondut1col_And_Meteoro	logical_Data_Displa	1 1 y 1
11.5.1.2.3	_	XTRACT _Urgen A&M_Alert_NOT Aeronautical_ O			12A	ent_PIREP 1_Alert_NOTAM onautical_And_Meteoro	logical_Display	1
11.5.1.2.4	-		Display and/ or play for the presence of ther_Alert		Sit	other_Disploy cuation_Disploy cardous_Weather_Alert		1 1 1
11.5.1.2.5	-	DETECT _Hazard Weather_Displ Situation_Dis			Med	cardous_Weather_Alert other_Disploy buation_Disploy		1 1 1
41.5.1.2.6	_	XTRACT _Hazar Weather_Displ Situation_Dis	dous_Weather_Alert from oy and/ or play		Wed	zanoous_Wenther_Alent other_Disploy tuation_Display		1 1 1
41.5.1.3	KEULIVE MEAT	ineR BRICE ino	rROM METEURGEGULS)					
	TASK T	PE: R/VC	COORD MEDIA: V/M	FREQUENCY:	LOW	CRITICALITY: HI		
A1.5.1.3.1	(	Communications meteorologist	Receiving G/G *weather briefing from					
A1.5.1.3.2		weather brief	1. Receiving ATO Morling from meteorologist					
A1.5.1.4	ENTER PIREP	INTO SYSTEM						
	TASK T	YPE: E	COORD MEDIA:	FREQUENCY	FOM	CRITICALITY: MED		
A1.5.1.4.1		INITIATÉ PIRE	P message *generation*		PI	REP	·	1
A1.5.1.4.2	į	EXECUTE _PIREF	' messag.		PI	REP		1
A1.5.1.4.3		DETECT system messoge	acceptonce of _PIREP		PI	REP		1
 Λ1.5.1.5	DETERMINE W	HETHER ANOTHER	CONTROLLER OR PILOT NEEDS	WEATHER AD	 /\\$0RY			
		YPE: A	COORD MEDIA:	FREQUENCY		CRITICALITY: MED		
A1.5.1.5.1		ASSESS the nee	ed to forward a weather nother controller					

		Task Eleme	ant Report			
TASK NUMBER / ELEMENT NUMBE				- (		NO. OF OBJECTS
41,5,1,5	DETERMINE WHETHER ANOTHER CON	NIROLLER OR PILOT NIEDS I	MEATHER ADVISO	RY		
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LO	),i	CRITICALITY: MED (Continued)	
A1.5.1.5.2	ASSESS the need to advisory to a pilo	o forward a weather ot				
41.5.1.6	DETERMINE WEATHER IMPACT ON F	- • • • • • •				
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LO	)) )	CRITICALITY: HI	
A1.5.1.6.1	area, and geograph Situation Display	lous weather, IFR/IMC whic information from by, Weather Display, And Meteorological mental we picture		Weath	ution_Oisplay ver_Display vautical_And_Meteurological	1 1
A1.5.1.6.2	INTEGRATE mental v mental traffic pic	weather picture with icture				
41.5.1.6.3	ASSESS the impact forecasted weather noutes	; of known and er on traffic flows and				
A1.5.1.7	DETERMINE ALTITUDE/ ROUTE CHA	IANGE TO BYPASS SEVERE WE	TATHER			
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LO	0.1	CRITICALITY: H)	
A1.5.1.7.1	areas, and aerona Situation Displa	ay, _Weather_Display, l_And_Meterological_Data		Weath	otion_Display ner_Display nautical_And_Meterological_Duta_Display	1 1
41,5,1,7.2	INTEGRATE mental mental traffic pi	weather picture with				
A1.5.1.7.3	CROSS REFERENCE and/or_Static_[ *charts*	_Geographic_Map_Data Information_Display		Geogr Stati	raphic_Map_Data ic_Information_Display	1 1
A1.5.1.7.4	weather based on	route to byposs severa mental traffic and and routes through area				
A1.5.1.8	RECEIVE PIREP ON WEATHER					
	TASK TYPE: R/VC	COORD MEDIA: V/F	FREQUENCY: LO	.014	CRITICALITY: MED	
A1.5.1.8.1	rolagicāl_Data on Meteorological Da	_Aeronautical_And_Meteo n_Aeronautical_And ata_Display		PIREF Aeror	P nautical_And_Meteorological_Data	1
41.5.1.8.2	O PERFORM VSCS, Co Air-To-Ground *P O	ommunicating Normally PIREP*				
A1.5.1.8.3	PERFORM VSCS, Re Communications * another controlle	*PIREP relayed by				
A1.5.1.9	ISSUE WEATHER/ ADVISORY/ UPO	DATE TO PILOT/ ANOTHER C	CNTROLLER			
ı	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: L	.OW	CRITICALITY: HI	
A1.5.1.9.1		Communicating Normally weather advisory*	·			

			Task Elem	ent Report		
IASK NUMBER /		TASK STATEMENTS	/ DATA			NO. OF
LEMENT NUMBER		TASK ELEMENT STA	ITEMENTS		OBJECTS	OBJEC1:
.5.1 9	ISSUL WEATH	HER/ ADVISORY.' UF	CATE TO PILOT/ ANOTHER CO	NTROLLER		
	TASK 1	TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI (Continued)	
.5.1.9.2		PERFORM VSCS. 1 Communications	Initiating G/G #weather advisary*			
.5.1.9.3		~	. Sending ATC Muil Ty*			
.5.1.1 <b>8</b>	INFORM SUP	ERVISOR/ TMC OF C	MEATHER IMPACT ON ROUTES			
	TASK	TYPE: E/VC	COCRD MEDIA: V/M	FREQUENCY: LO	CRITICALITY: HI	
เ.ร.1.1ฮ.1		routes and flow	*weather impact on			
1.5.1. เฮ.2			. Sending ATC Mail on routes and flows*			
1,5,1,11	REQUEST WE	ATHER INFORMATIO	N			
	TASK	TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LO	J CRITICALITY: MED	
1.5.1.11.1		information•	Initiating G/G *request weather			
1.5.1.11.2		O PERFORM TEM M.2 *request weathe	. Sending ATC Moil r information*			
1.5.1.11.3		•	_A&M_Datc_Base *weather		Query_ASM_Duto_Gase	1
1.5.1.11.4		EXECUTE _Query_	A&M_Dato_Base		Query_A&M_Data_Base	1
1.5.1.11.5		DETECT requeste _Response_Displ 0	d weather data on ay		Response_Display	1
1.5.1.11.6			ay_Alphanumeric_Weather_P		Display_Alphanumeric_Weather_Product	1
1.5.1.11.7		EXECUTE _Displo oduct message	y_Alphanumeric_Weather_Pr		Display_Alphanumeric_Weather_Product	1
1.5.1.11.8		DETECT requests _Aeronoutical_A splay	d weather product on und_Meteorological_Dato_Di		Aeronautical_And_Mctaorological_Nata_(	Display 1
1.5.1.12	RECEIVE WE	EATHER ADVISORY R	ROM ANOTHER CONTROLLER/ S	UPERVISOR/ METE	OROL OGIST	
	TASK	TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: LO	ON CRITICALITY: HI	
1.5.1.12.1			Receiving G/G *weather advisory*			
1.5.1.12.2		0 PERFORM TEM M. *weather adviso	1, Receiving ATC Moil Dry*			
(1.5.1.13	RECEIVE C	ONTROLLER REQUES	I FOR WEATHER INFORMATION			
	TASK	TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: LO	DW : ₹ITICALITY: MED	
11.5.1.13.1		PERFORM VSCS, Communications	Receiving G/G *request for weather*		·····	

		Task Elemo	nt Report			
TASK NUMBER .	TASK STATEMENTS / DATA				,	NO. CF
ELEMENT NUMBE	AND R TASK ELEMENT STATEMENTS				CBJECTS	OBJEC1:
1,5.1.13	RECEIVE CONTROLLER REQUEST FOR WEATH					*****
	TASK TYPE, R.VC COORD MEI	DIA: V/M	FREQUENCY.	1.014	CRITICALITY: MED (Continued)	
A1.5.1.13.2	PERFORM TEM M.1. Receivi Mrequest for weather*	ng AIC Mail				
A1.5.1.14	FORWARD WEATHER INFORMATION TO SUPER					
	TASK TYPE: E/VC COORD ME	DIA: V/M	FREQUENCY:	LOM	CRITICALITY: MLD	
a1.5.1.14 1	PERFORM VSCS. Initiating Communications *forward information*					
41,5,1,14,2	O PERFORM TEM M 2. Sending "Weather information"	AIC Moil				
41.5.1.15	RECEIVE NEW ROUTING FOR WEATHER AVOI	DANCE FROM SUPERV			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	TASK TYPE: R/VC/A COORD ME	DIA: V/F/M	FREQUENCY:	rom	CRITICALITY: HI	
41.5.1.15.1	PERFORM VSCS. Receiving Communications ************************************				<del></del>	****
41,5,1,15,2	O PERFORM TEM M.1, Receivi *new routing for weather O	ng ATC Mail avoldance#				
A1.5.1.15.5	SEARCH _Flight_Dota_Entry _Flight_Dota_Display for _flight_dota_revisions	on emphasized			light_Dota_Entry light_Dota_Display	1
41,5,1,15,4	DETECT emphasized field(s _Flight_Data_Entry on _Flight_Data_Display	3) <u>1</u> n			light_Bata_Entry light_Doto_Disploy	1
A1.5.1. i5.5	EXTRACT new routing in _Flight_Data_Entry			F	light_Data_Entry	1
41.5.1.16	BROADCAST RECORDED WEATHER INFORMATI	ON				
	TASK TYPE: VC COURD ME	DIA: V	FREQUENCY:	LOM	CRITICALITY: MED	
A1 5.1.16.1	PERFORM VSCS, Broadcasti Weather Information	ing Recorded				
A1.5.1.17	EVALUATE IMPACT OF NEW ARM CONDITION					
	TASK TYPE: R/A COORD ME	EDIA:	FREQUENCY	L ON	CRITICALITY: MED	
A1.5,1,17,1	ACQUIRE _Aeronautical_And _Duto_Display for new dat _pertinent_to_Aeronautica _gical_Alert	tā or dota			Neronautical_And_Meteorulogical_Dato_Display Neronautical_And_Meteorological_Alert	/ 1
A1.5.1.17.2	SYNTHESIZE new aeronaution information from _Aeronaution rological_Data_Display in weather picture	utical_And_Meteo		А	Aeronautical_And_Meteorological_Data_Diselog	y 1
41.5.1.17.3	COMPARE new mental weach mental truffic picture	er picture with				
A1.5.1 17.4	EVALUATE new _Aeronautico gical_Sota impact on tra			A	Aeronautical_and_Meteorological_Doto	1

	Task Élemo	nt Report		
TASK NUMBER /	TASK STATEMENTS / DATA / AND			NO. CF
ELEMENT NUMBE		08	BJECTS	OBJECTS
1.5.1.18	REQUEST SUPERVISOR/ TMC TO RELEASE AIRSPACE			
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: LOW	
1.5.1.18.1	PERFORM VSCS, Initiating G/G Communications *request to release airspace*			
1.5.1.18.2	O PERFORM TEM M.2, Sending ATC Mail *request to release oirspace*			
1.5.1.19	REQUEST SUPERVISOR/ TMC TO DEFINE ATC AIRSPACE			
	TASK TYPE: E/VC COURD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
(1.5.1.19.1	PERFORM VSCS. Initiating G/G Communications *request designation of airspace around weather*			
11,5,1,19,2	0 PERFORM TEM M.2, Sending ATC Mail *request designation of airspace around weather*			
1,5.1,20	ACKNOWLEDGE A&M ALERT			
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
.1.5.1.20.1	INITIATE _Acknowledge_Aeronautical_And_M eteorological_Alert message	Acknow	rledge_Aeronautical_And_Meteorolog	ıcal_A 1
X1.5.1.20.2	EXECUTE _Acknowledge_Aeronautical_And_Me teorological_Alert message	Acknow	rledge_Aeronautical_And_Meteurolog	1cal_A 1
41.5.1.20.3	DETECT system acceptance of _Acknowledge_Aeronautical_And_Meteorological_Alert message *data deemphasis*	Acknow	vledge_Aeronautical_And_Meteorolog	ical_A 1
A1.5.1.21	FORWARD URGENT PIREP TO OTHER CONTROLLER			
	TASK TYPE: E/VC COORD MEDIA: V/F/M	FREQUENCY: LOW	CRITICALITY: HI	
A1.5.1.21.1	INITIATE PIREP message *forward urgent information to other affected controllers*	PIREP		1
A1.5.1.21.2	<pre>INTRODUCE _Coordination *for designated controller(s)*</pre>	Coord	inotion	1
A1.5.1.21.3	EXECUTE _PIREP message	רוצבר		1
A1.5.1.21.4	DETECT system acceptance of _PIREP message	PIREP		1
A1.5.1.22	ENTER AIRPORT ENVIRONMENTAL DATA INFO SYSTEM			
	TASK TYPE: E COORD MEDIA:	FREQUENCY: MED	CRITICALITY: MED	
41.5.1.22.1	INITIATE _ATIS_Character message	ATIS_	Character	1
A1.5.1.22.2	EXECUTE _ATIS_Character message	ATIS_	Character	1
A1.5.1.22.3	DETECT new _ATTS_Character on _Airport_Environmental_Data_Display _A/O	ATIS_	- _Character _rt_Environmental_Data_Displcy	1 1

				lask Eleme	nt Report	- <b>-</b>			
TASK NUMBER /	/		ATEMENTS / AND						10. OF
ELEMENT NUMBE	.R 7	TASK ELF	EMENT STAT	TEMENTS			U)	OI	OBJECTS
1.5.1.22	ENTER AIRPOR	RT ENVIE	ROMMENTAL	. DATA INTO SYSTEM					
	TASK T	YPE: E		COORD MEDIA:	FREQUENCY:	MED	)	CRITICALITY: MED (Continued)	
11.5.1.22.4	_	INITIATE	E _Altime	eter_Setting message			Altime	eter_Setting	1
41.5.1.22.5	!	EXECTUE	_Altimet	er_Setting message			Altime	eter_Setting	1
41.5.1.22.6			system acc _Altimeter	cceptance of new er_Setting			Update	e_Altimeter_Setting	1
41.5.2.1	RECEIVE AIR	≀PORT SP	ECIFIC NO	JTAM					
	TASK T	YPE: R	:/VC 	COORD MEDIA: V/F/M	FREQUENCY:	LO	۲	CRITICALITY: LOW	
A1 5.2.1.1				Receiving G/G *oirport specific NOTAM*	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
41.5.2.1.2		Airport	Current rt_Environ rt_specifi O	t_NOTAM_from nment_Data_Display ic*				nt_NGTAN rt_Environment_Cata_Display	1
A1.5.2.1.3			1 YEM M.1. rt specifi	, Receiving ATC Mail ic NOTAM*					
A1.5.2.2	RECEIVE WEA	ATHER RE	PORT UPDA	ATE (E.G., HOURLY SURFACE					
				COORD MEDIA: V/F/M			u	CRITICALITY: MED	
A1.5.2.2.1		uata_u	nisbiaa to	utical_And_Meteorological or changes in d_Meteorological_Dato				rautical_And_Meteorological_Data_Display ratical_And_Meteorological_Data	1
A1.5.2.2.2		Communi	M vSCS, R ications	Receiving G/G *weather report update, inface observation*					
A1.5.2.2.3			M TEM M.1, er report	, Receiving ATC Mail update*					
A1.5.2.3	DETERMINE	WHETHER	USABLE F	LIGHT LEVEL HAS CHANGED					
	TASK 1	TYPE: 1	R/A	COORD MEDIA:	FREQUENCY	: ME	.D	CRITICALITY: HI	
A1.5.2.3.1		Data_Di	Display for	utical And Meteorological re information pertaining prable flight level			Aeron	nautical_And_Meteorological_Data_Display	1
A1.5.2.3.2				um_Assignoble_Flight_Level				mum_Assignoble_Flight_Level	1
		_Aerono splay	autical_A	_Setting from And_Meteorological_Data_Di			Acron Acron	meter_Setting nauticel_And_Meteorological_Data_Display	, i
A1.5.2.3.3			orid _Al	_Minimum_Assignable_Fligh ltimeter_Setting_have				mum_Assignable_Flight_Level meter_Setting	1
A1.5.2.3.4		with _	_Altimeter	um_Assignable_Flight_Level r_Setting for concurrence			Altım	mum_Assigroble_Flight_Level meter_Setting	1
A1.5.2.4				CONDITIONS HAVE CHANGED					
	TAGK	TYPE:	R/A	COORD MEDIA:	FREQUENCY	: M	ED	CRITICALITY: HI	
A1.5.2.4.1		ay for		rt_Envronmental_Dato_Displ tion pertaining to changes ition		***	Airpo	ort_Envronmental_Data_Display	1

		Task Elem	ent Repart			
TASK NUMBER	TASK STATEMENTS / AND ER TASK ELEMENT ST	J / DATA				NO. OF
ELEMENT NUMBI	ER TASK ELEMENT ST				OBJECTS	08JEC15
41.5.2.4	DETERMINE WHETHER RUNWAY O	CONDITIONS HAVE CHANGED				
	TASK TYPE: R/A	COURD MEDIA:	FREQUENCY: N	1ED	CRITICALITY: HI (Continued)	
41.5.2.4.2	DECIDE whether changed based o				rport_Environmental_Gata_Display	1
 A1.5.2.5	DETERMINE WHETHER CONTROL	ZONE IS IFR/ VFR				
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: 1	_CM	CRITICALITY: HI	
41.5.2.5.1	ACQUIRE _Airpor	t_Environmental_Data_Disp atjon to aetermine whether or VFR			irport_Envaronmentol_Data_Display	1
A1.5.2.5.2	ACQUIRE RWP We Situation Dis	oather_Product on play or _Weather_Display f _IFR/IMC_Area_Outline	RWP_Weather_Product Situation_Display Weather_Display IFR/IMC_Area_Outline			1 1 1
A1.5.2.5.3	_Meteorologica _Aeronautical splay for info	D ce Observation and l_Tmpact_Statement on kind Meteorological_Data_Di rmation pertaining to rol zone is IFR or VFR		SI	urface_Observation etecrological_Impunt_Statement eronautical_And_Meteurological_Data_Sisp	1 1 loy 1
41,5,2,5,4	SYNTHESIZE wea mental weather	ther informaton into picture				
41.5.2.5.5	DECIDE if cont	rol zone is IFR or VFR				
A1.5.2.6	REVIEW ATIS VOICE RECORDI	<del></del>	·			
	TASK TYPE: VC/A	COORD MEDIA:	FREQUENCY:	MED	CRITICALITY: LOW	
A1.5.2.6.1	PERFORM VSCS, Recordings *r	Monitoring ATIS Voice eview of ATIS*				
A1.5.2.7	FORWARD RUNLIAY USE DATA			<b>-</b>		
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY:	L CWi	CRITICALITY: MED	
A1.5.2.7.1	PERFORM VSCS. Ground-To-Grow use data* A/	nd Communication *runway				
A1.5.2.7.2		2, Sending ATC Mail				
8.5.2.1A	RECEIVE GENERAL NATURE NO	DTAM				
	TASK TYPE: R/VC	COORD MEDIA: V/F/M	FREQUENCY:	F Oi1	CRITICALITY: LOW	
A1.5.2.8.1		uutical_Ano_Meteorological_ for the presence of ! NOTAMs		ļ	Neranauticui_Ana_Meteorological_Data_Visy	olav 1
A1.5.2.8.2	_Aeronautical	l information from And_Neteurological_Data_Di l-nature NOTAM*			MTAM Aeronautical_And_Meteorological_Data_Disp	4 1 oy 1
A1.5.2.8.3	PERFORM VSCS.	Receiving G/G : *NOTAM update*				
A1.5.2.3.4		1, Receiving ATC Mail				

		Task Element Report			
TASK NUMBER /	TASK STATEMENTS / DATA AND TASK ELEMENT STATEMENTS		r	SC 10070	MO. OF
ELEMENT NUMBER	TASK ELEMENT STATEMENTS			D6JECTS 	08JECT:
X1,5.2.9 RECE	IVE RUNHAY USF BATA				
	TAUN TYPE: R/VC/A COORD MEGI	IA: V/F/M FREQUENCY:	MED	CRITICALITY: MED	
A1,5,2.9.1	PERFORM VSCS, Receiving S/ Communitations *active run information*	/3		•••	
A1.5.2.9.2	PERFORM TEM M.1, Receiving *runway in use data* O	g ATC Moil			
A1.5.2.9.3	ACQIURE _Airport_Informatio _Airport_Environmental_Data _Runway_Configuration	on on a_Display for	Airpor	rt_Information rt_Environmental_Data_Display y_Configuration	1 1
A1.5.2.10 DETE	ECT AIRPORT ENVIRONMENTAL DATA ALER	RT			
	TASK TYPE: R COURD MEDI		: LOW	CRITICALITY: MED	
41.5.2.10,1	ACQUIRE presence of emphosi _Airport_Environmental_Aler _ATC_Airport_Equipment_Aler _Airport_Environmental_Data	ized dota ert or ert on	Airpo ATC A	rt_Environmental_Alert irport_Equipment_A)ert rt_Environmental_Data_Display	1 1
A:.5,2.11 DETE	ERMINE FAULTY AIRPORT ENVIRONMENTAL	il SENSOR			
	TASK TYPE: R/A COORD MEDI	)[A: FREQUENCY	: L06	CRITICALITY: MED	
21.5.2.11.1	ACQUIRE _Airport_Environmer lay for update data	:ntal_Data_Disp	Airpo	art_Environmental_Data_Display	1
41.5.2.11.2	EVALUATE extracted doto for	or occuracy			
A1.5.2.11.3	COMPARE extracted dota to a in other sources	duto displayed			
A1.5 2.11.4	DECIDE whether an airport : faulty based upon available	le information			
A1.5.2.12 ENTE	ER AIRPORT ENVIRONMENTAL SENSOR DA				
	TASK TYPE: E COORD MED.	DIA: FREQUENCY	: F0/1	CRITICALITY: LOW	
A1.5.2.12 1	INITIATE _Sensor_Override r			or_Override	1
A1.5.2.12.2	EXECUTE _Senson_Override m	ressage	Senso	or_Override	٦
A1.5.2.12.3	DETECT results of sensor or _Airport_Environmental_Data	ta_Display	Airpo	ort_Environmental_Data_Display	1
	ELVE NOTICE OF FAULTY AIRPORT ENVI				
	TASK TYPE: R/VC COORD MED	DIA: V/M FREQUENCY	': LOW	CRITICALITY: MED	
A1.5.2.13.1	PERFORM VSCS, Receiving G Communications *notice of airport environmental sens	G/C f faulty		·	
A1.5.2.13.2	A/O PERFORM TEM M.1, Receivin *notice of foulty disport sensor*	envii onmental			
	TEW DISPLAYED WEATHER INFORMATION				
	TASK TYPE: R/A COORD MED	DIA: L'REQUENCY	/: MED	CRIFICALITY: MED	
A1.5.2.14.1	ACQUIRE Weather Lescripto _Situation_Display for wea information A/O	or on	Weath	her_Descriptor ation_Display	1

		Tosk Elem	ent Report	. <b></b>			
TASK NIMHER	TASK STATEMENTS ,	OATA				NO. OF	
ELEMENT NUMB	/ AND ER TASK ELEMENT STA	TEMENTS		(	OBJECTS	OBJECT:	
1.5.2.14	REVIEW DISPLAYED WEATHER IN	ORMATION				******	
	TASK TYPE: R/A	COCRD MEDIA:	FREQUENCY:	MED	CRITICALITY: MED (Continued)		
1.5.2.14.2	ACQUIRE RWP Wed	ther Product and	**********	RWP_W	eather_Product	1	
	_Weather_Display information	Overlay on for review of weather		Geogr Weath	aphic_Map_Overlay er_Display	1	
11.5.2.14.3	_Data for actual conditions	tical_And_Meteorological and predicted weather		Aeronautical_And_Meteorological_Data			
11.5.2.14.4	A/O ACQUIRE _Airport lay for weather	_Environmental_Data_Disp information		Airpo	rt_Environmental_Data_Display	1	
41.5.2.14.5		cted weather information cture of current and r					
11.6.1.1	BRIEF RELIEVING CONTROLLER						
	TASK TYPE: E/R/VC	COORD MEDIA: V	FREQUENCY:	L OW	CRITICALITY: HI		
41.6.1.1.1	CROSS-ROFERENCE	_Position_Checklist in ion_Display during		Posit	ion_Checklist c_Information_Display	1 1	
A1.6.1.1.2	*CROSS-REFERENCE play	_Controller_Notepaa_Dis		Contr	roller_Notepad_Display	1	
A1.6.1.1.3	CROSS-REFERENCE _Weather_Display _Other_Gata_Disp	_Situotion_Display, , _Special_Lists, and lay	Situation_Disploy Weather_Disploy Special_Lists Other Data Display		1 1 1 1		
A1.6.1.7.4	PERFORM VSCS, F	ecording Briefings			_		
A1.6.1.1.5	picture, weather picture, pertine	controller *traffic picture, systems status int priority Lext iller notes, and display					
A1.6.1.2	SIGN UFF AT CONSOLE			- <b>-</b>	,		
	TASK TYPE: E	COORD MEDIA:	FREQUENCY:	F ON	CRITICALITY: LOW		
A1.6.1.2.1	INITIATE Sign ( having been prof	Off message *after perly relieved*		Sign	off	1	
11.6.1.2.2	EXECUTE _Sign_O	f message		Sign	_Off	1	
A1.6.1.2.3	DETECT system as message	eceptance of _Sign_Off		Sign	_Off	1	
41.6.1.3	VERTEY COMPLETENESS OF REL						
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY	LOW	CRITICALITY: HI		
A1.6.1.3.1	the _Static_Inf	Position Checklist on ormation Display to ness of relief briefing	v		tion_Checklist ic_loformation_Displey	1	
A1,6,1.3.2	ASSESS comelato	ess of relief briefing					

		Tosk Elem	ent Report		<b>-</b>		
TASK NUMBER /	TASK STATEMENTS / AND R TASK ELEMENT STAT	' DATA					NO. OF
ELEMENT NUMBER			·		OBJECT	S 	OBJECTS
41.6.2.1	REVIEW SYSTEM STATUS TO DETE	ERMINE CURRENCY/ UPDATE S	ELF				
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY:	LOM	CRIT	ICALITY: MED	<b></b>
A1.6.2.1.1	ACQUIRE _System_S information perti control of positi	Status_Data_Display for inent to assuming ion	<b></b>	Şy	rstem_Stat		1
A1.G.2.1.2	SYNTHESIZE extrac regard to assuming responsibility						
A1.6.2.2	REVIEW CURRENT AND PROJECTED	O TRAFFIC STATUS/ WEATHER					
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY:	MED	CRIT	TICALITY: HI	
A1.6.2.2.1	ACQUIRE _Situation	on_Display to determine ected traffic/ weather		Si	ituation_D	isplay	1
A1.6.2.2.2	ACQUIRE _Special pertinent to assi position	_Lists for information uming control of		Sp	pecial_Lis	its	1
A1.6.2.2.3	ACQUIRE RWP Hazi RWP Hazardous Ai IFR/IMC Area Ou Situation Displ	ardous Weather Data, rea_Outline, and utline on ay		RU 1F	WP_Hazardo	ous_Weather_Eata ous_Area_Outline ec_Outline Display	1 1 1 1
A1.6.2.2.4	pertaining to as position	Coto_Entry on play for information suming control of			light_Data light_Data		27 1
A1.6.2.2.5	_Geographic Map_ _Weather_Oisplay pertaining to de forecast weather	for information etermining current or		Ge	WP_Weather eographic enther_Dis	Map Overlay	1 1 1
A1.6.2.2.6		utical_and_Meteorological or actual and predicted ons		Ae	eronautico	al_and_Meteorological_Dato_Displa	ıy 1
A1.6.2.2.7	A SYNTHESIZE extra mental picture o traffic and weat	acted information into a of current and projected ther status					
A1.6.2.3	VERIFY THAT ALL REQUIRED PA	ARAMETERS ARE IN PROPER L	OCATION				
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY	: MED	CRI	TICALITY: MED	
A1.6.2.3.1	settings för lig	lay and display control ghting levels, nge, altitude filter tings for other			Oata_Displ		15
A1.G.2.3.2.1	with procedural	·			Dota_Displ		15
A1.6.2.4	SIGN ON AT DESIGNATED CONSC						
	TASK TYPE: E	COORD MEDIA:	FREQUENCY	: LOW	CRI	TICALITY: LOW	
<b>/1.6.2</b> , 1	INITIATE _Sign_(		,		 Sign_On		3

				nent Report		·
TASK NUMBER ELEMENT NUMB	TASK 5 / ER TASK E	STATEMENTS AND ELEMENT ST.	/ DATA ATEMENTS		OBJECTS	NO. OF OBJECTS
A1.6.2.4			 OLE			
	TASK TYPE:	E	COURD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW (Continued)	
A1.6.2.4.2	EXFCUT			Sign		1
A1.6.2.4.3	DETECT messag		occeptance of _Sign_On	Sigr	n_0n	1
£1.6.2.5	ADJUST WORKSTATIO	ON TO PERS	ONAL PREFERENCE			
	TASK TYPE:	E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
A1.6.2.5.1	INITI/	ATE Displa	y Control adjustments			
A1.6.2.5.2	EXECU set o	TE Display ontroller	/ Control adjustments to preferences			
A1.6.2.5.3	symbo locat shadi	el sizeš, b Glon of dis				
A1.6.2.5.4			Adjusting VSCS Displays/ s			
A1.6.2.5.5	PERFO		Enabling VSCS Functions			
A1.6.2.5.6	Vlsuo		play Control and VSCS io settings for controller			
A1.6.2.6	CHECK WORKSTATIO	ON FOR PROF	PER CONFIGURATION, USABILI	TY, AND SATISFACTOR	RY STATUS	
	TASK TYPE:	R/A	COORD MEDIA:	FREQUENCY: MED	CRITICALITY: MED	
A1.5.2.6.1			isplay for proper location e physica) displays	Cat	;a_Display	15
A1.6.2.6.2	confi main locat	iguration/ display t	Suite for proper setting of shelf height, ilt, keyboard tilt, ackball, and Auxilliary ng			
A1.6.2.7	SET UP WORKSTATI	ION ADAPTA	TION PARAMETERS			
	TASK TYPE:	E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
A1,6.2.7.1	INITI messo		cole_Configuration_Edit	Cor	nsole_Configuration_Edit	1
A1.6.2.7.2	EXECU messo		ole_Configuration_Edit	Coa	nsole_Configuration_Edit	1
A1.6.2.7.3	_Con:	sole_Confi	acceptance of iguration_Edit		ensole_Configuration_Edit	1
Λ1.6.2.8			T/ NOTES TO ASSURE COMPLETE		COVERAGE	
	TASK TYPE:	E/R/A/VC	COURD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
-						

		Task Elen	ment Report			
TASK NUMBER	TASK STATEMENTS / AND	/ DATA				NO. OF
ELEMENT NUMB		ATEMENIS		0	BJECTS	OBJECT
41.5.2.8	REVIEW BRIEFING CHECKLIST/	NOTES TO ASSURE COMPLETER	NESS OF BRIEFING	COVER.	AGE	
	TASK TYPE;E/R/A/VC	COORD MEDIA:	FREQUENCY: LOW	) 	CRITICALITY: MED (Continued)	
A1.6.2.8.2	EXTRACT Free-F _Controller_Not	orm_Text_Item from epad_Display		Free-F Contro	orm_Text_ltem ller_Notepad_Display	1 1
A1.6.2.8.3	CROSS-REFERENCE Position_Check _Static_Informa				on_Checklist _Information_Display	1
A1,6.2.8.4	*REQUEST clarif input message(s	ication of data using () or voice				
A1.6.2.8.5	INTEGRATE extro regard to assum responsibility	acted information with ping position				
A1.6.2.8.6		eteness of information assuming position				
A1.6.2.8.7	*REQUEST clarit input message(s	fication of data using s) or voice				
41.6.2.9	REQUEST IMPLEMENTATION OF	PROGRAMMED PERSONAL PREFE	RENCE ADJUSTMENT	 rs		
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	i	CRITICALITY: LOW	
A1.6.2.9.1	INITIATE _Disp nce_Set messagi	lay/Invoke_Display_Prefere		Displo	y/Invoke_Display_Preference_Set	1
A1.6.2.9.2	EXECUTE _Displ ce_Set message	uy/Invoke_Display_Preferen		Oisplo	y/Invoke_Display_Preference_Set	1
A1.6.2.3.3	DETECT system preference set	ucceptance of appropriate				
A1.6.2.10	DETERMINE IF READY TO ACC	EPT CONTROL RESPONSIBILITY				
	TASK TYPE: A	COORD MEDIA	FREQUENCY: LO	Ą	CRITICALITY: HI	
A1.6.2.10.1		or not to assume position based on the information				
A1.6.3.1	DETECT NON-ACCEPTANCE OF	INPUT DATA				
	1ASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LO	w	CRITICALITY: HI	
A1.6.3.1.1		of feedback/ system ntrol and/ or data inputs				
A1.6.3.1.2		Composition_And_Response_U tus of input data and	J	Messa	ge_Composition_And_Response_Display	1
A1.5.3.1.3	_Message_Error	e_Reject_Indicator or _Indicator on sition_And_Response_Displo	נ	Messa	ge_Reject_Indicator ge_Error_Indicator ge_Composition_And_P:sponse_Display	1 1
A1.6.3.1.4		ge_Reject_Indicator_from sition_And_Response_Displo	3		ge_Reject_Indicator ge_Composition_And_Response_Displ ,	1
A1.5.3.1.5	U EXTRACT _Messo Mass Comm	ge_Error_Indicator_from sition_And_Response_Displa		Messa Messa	ge_Error_Indicator	, 1

	Task Elem		
TASK NIMBED /	TASK STATEMENTS / DATA		NO. OF
ELEMENT NUMBER	AND TASK ELEMENT STATEMENTS	OBJECTS	OBJECT
	ORM SUPERVISOR OF TRANSIENT EQUIPMENT FAILURE		
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW CRITICALITY: MED	
41.6,3.2.1	PERFORM VSCS, Initiating G/G Communications *transient equipment failure aavisory*		
11.6.3.2.2			
A1.6.4.1 DET	ECT OCCURRENCE OF SECTOR SUITE FAILURE		
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LOW CRITICALITY: HI	
A1.6.4.1.1	SEARCH _Data_Display on Sector Suite for proper system functioning	Data_Display	15
41.6.4.1.2	RECOGNIZE degradation in resolution of displayed data in any or all displays		
41.6.4.1.3	RECOGNIZE degradation in accuracy of displayed data in any or all displays		
A1.6.4.1.4	RECOGNIZE lack of feedback/ system response to control and/ or data inputs		
A1.6.4.2 GBS	SERVE SECTOR SUITE DATA BASE RESTORATION COMPLETION	ON MESSAGE	
	TASK TYPE: R COORD MEDIA:	FREQUENCY: LOW CRITICALITY: HI	
A1.6.4.2.1	SEARCH _Data_Display for proper restoration of data base	Data_Display	15
A1.6.4.2.2	RECOGNIZE proper restoration of data on _Oota_Display A/O	Oata_Display	15
A1.6.4.2.3	DETECT restoration notification on _System_Status_Data_Display	System_Status_Data_Display	1
A1.6.4.3 FO	RWARD NOTICE OF EQUIPMENT STATUS		
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LOW CRITICALITY: HI	
A1.6.4.3.1	PERFORM VSCS, Initiating G/G Communications *notice of equipment status*		
A1.6.4.3.2	PERFORM TEM M.2, Sending ATC Mail *notice of sector suite status*		
A1.6.4.4 RE	CEIVE STATUS OF SECTOR SUITE FAILURE FROM CONTROL	LER/ SUPERVISOR	
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW CRITICALITY: HI	
A1.6.4.4.1	PERFORM VSCS. Receiving G/G Communications *status of sector suite failure*		
A1.6.4.4.2	0 PERFORM TEM M.1, Receiving ATC Moil *stotus of sector suite failure*		
A1.6.4.5 RE	QUEST SPECIFIED DISPLAY DATA BE PRESENTED ON AND	CONTROLLED AT A SPECIFIC COMMON CONSOLE	+
	TASK TYPE: E COURD MEDIA:	FREQUENCY: LOW CRITICALITY: HI	
A1.6.4.5.1	INITIATE <u>Request Assignment Of Logical</u> Display_To_One_Physical_Display_message	Request_Assignment_Of_Logical_Displ Display	ay_To_One_ 1

		Task Eleme	nt Report		
TASK NUMBER /	TASK STATEMENTS /				NO. OF
ELEMENT NUMBE		EMENTS		OBJECTS	OBJECTS
41.6.4.5	REQUEST SPECIFIED DISPLAY DA	TA BE PRESENTED ON AND CO	INTROLLED AT A SI	PECIFIC COMMON CONSOLE	
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI (Continued)	
41.6.4.5.2	EXECUTE Request_ isplay_To_One_Phy	Assignment_Of_Logical_D sical_Display message	я О	equest_Assignment_Df_Logical_Disploy_ isploy	To_One_ 1
A1.6.4.5.3	Physical Display	•		ota_Display	1
A1.6.5.1	DETECT OCCURRENCE OF ACCO FA				
	TASK TYFE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: Hi	
A1.6.5.1.1	SEARCH _System_S the status of the	tatus_Data_Display for e ACCC system	S	ystem_Status_Oata_Disploy	1
A1.6.5.1.2	DETECT _Operation /Failure on _Sys _A/O	nal_Function_Degradation tem_Status_Data_Display		perotional_Function_Degradation/Fail system_Status_Data_Display	ıre 1 1
41.6.5,1.3	DETECT Reduced	Capability_Mode_Indicato tus_Data_Display	R	educea_Capobility_Mode_Indicator ystem_Status_Data_Display	1
A1.6.5.1.4	EXTRACT_ACCC_In adjacent* on_S A/O	terface_Status	, A 5	:CCC_Interface_Status Gystem_Status_Data_Display	1
A1.6.5.1.5	ACCC malfunction				
A1.6.5.2	REVERT TO ACCC BACKUP PROCE		,		
	TASK TYPE: TB0	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.5.2.0	TBD facility dir	ectives/ procedures			
A1.6.5.3	REVERT TO ACCO EMERGENCY MO	DE PROCEDURES (TBD)			
	TASK TYPE: T8D	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.5.3.0	TBD focility dir	· · · · · · · · · · · · · · · ·			
A1.6.5.4	VERIFY COMPUTER ACTION DUR				
	TASK TYPE: E/R/VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.5.4.1	that all targets	on_Display to verify under controller properly identified		Situation_Display	1
41.6.5.4.2		Data_Block are properly _Position_Symbol		Data_Block Position_Symbol	27 27
A1.6.5.4.3				Flight_Outo_Entry Time Flight_Outo_Oisplay Situotion_Oisplay	27 1 1
A1.6.5.4.4	and altitude in	try with _Full_Data_Block ymbol on		Flight_Dota_Entry Full_Dota_Block Position_Symbol Situation_Display	27 27 27 1
A1.6.5.4.5		mpute, responses during ween ACCC and backup			

		Task Elem	ent Report 		
TASK NUMBER /	TASK STATEMENT: AND TASK ELEMENT S	S / DATA			NO. 0F
ELEMENT NUMBER	TASK ELEMENT S			OBJECTS	083601
11.6.5.4 V€	RIFY COMPUTER ACTION DU		***************************************		
	TASK TYPE: E/R/VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: HJ (Continu	ued)
11.6.5,4.6	PERFORM VSCS. Communications	Initiating G/G *advise supervisor or ies of current status*			
A1.6.5,4.7	PERFORM VSCS, Ground-To-Grou *information f	-			
Ai.6,5,5 RE		PABILITY MODE PROCEDURES (T		••	
	TASK TYPE: TBD	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: HI	
41.6.5.5.1	T8D facility p				•
A1.6.5.6 RE		OMPUTER ACTION DURING TRANS			
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.5.6.1	PERFORM VSCS, Communications actions interf during transit	Initiating G/G:  *verifying computer acility and intrafacility ion stages*			
A1.6.5.6.2	Communications	Receiving G/G s *verification of ons during transition			
A1.6.6.1 DE	TERMINE AIRCRAFT NEEDIN				
	TASK TYPE: R/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
41.6.6.1.1	_Flight_Data_{	nt_Doto_Entry and _Time on Display *for aircraft itute routing due to NAVAID	Т	light_Octo_Entry ime light_Octo_Display	27 1 1
A1.6.6.1.2	status of NAV		S	iystem_Status_Data_Display	1
A1.6.6.1.3	and _Metering _Special_List	und_List, _Departure_List, _Advisory_List in s for information on n may be affected by NAVAID	D M	nbound_List Departure_List Detering_Advisory_List Opecial_Lists	1 1 1
A1.6.6.1.4	substitute ro	J			
A1.6.6.2 R	EVIEW STATUS OF QUESTION				
	TASK TYPE: R/VC	COORD MEDIA: V/F	FREQUENCY: LOW	CRITICALITY: LOW	
A1.6.6.2.1		pment_Status on the s_Data_Display for status ipment		quipment_Status System_Status_Data_Display	1
A1.6.6.2.2	Communication maintenance.	Initiating G/G s *request for FSS, AICI, or supervisor of NAVAID outage or return			

		Task Elem	ient Report		
TACK NUMBER (	TASK STATLMENT	S / DATA			NO. OF
TASK NUMBER / ELEMENT NUMBER		STATEMENTS		OBJECTS	OBJECTS
(1.6.6.2 R	EVIEW STATUS OF QUESTION				
	TASK TYPE: R/VC	COORD MEDIA: V/F	FREQUENCY: LOW	CRITICALITY: LOW (Continued)	
11.6.6.2.3	Communications or supervisor outage or retu	Receiving G/G s *mointenance, FSS, ATCT, confirmation of NAVAID urn to service*			
11.5.6.2.4	PERFORM VSCS, Air-To-Ground confirmation o	Communicating Normally *asking pilot for of NAVAID butage or return receiving pilot report of			
A1,6,6,3 (	DBSERVE SUBSTITUTE ROUTI	NG ON DISPLAY			
	TASK TYPE: R	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
41.6.6.3.1	ACQUIRE Subs Static_Inform	titute_Routing_from matin_Display	Subs	stitute_Routing tre_Informatin_Display	1
A1.6.6.3.2	ACQUIRE _Usog	e_Of_Adapted_Routes on s_Data_Display		ige_Of_Adopted_Routes item_Status_Data_Display	1 1
41.6.6.4 f	RECEIVE NOTICE OF NAVAID	STATUS			
	TASK TYPE - R/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.6.6.4.1	PERFORM VSCS, Communication status*	Receiving G/G s *notice of NAVAID			**
A1.6.6.4.2	*notice of NA	I.i. Receiving ATC Moil VAID status*			
A1.6.6.4.3	Air-To-Ground	Communicating Normally   *receiving information  garding status of a NAVAID*			
A1.6.6.5	RECEIVE SUBSTITUTE ROUTI	NG			
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
41.6.6.5.1	Communication	Receiving G/G s *substitute routing*			
A1.6.6.5.2	PERFORM TEM N *substitute :	1.1, Receiving ATC Mail			
A1.6.6.6	RECEIVE CANCELLATION OF				
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: LON	CRITICALITY: MED	
A1.6.6.6.1	PERFORM VSCS	, Receiving G/G ns *concel substitute			
A1.6.6.6.2	PERFORM TEM	O M.1, Receiving ATC Moil titute routing*			
A1.6.6.7		O ANOTHER CONTROLLER/ SUPERV			
ı		COORD MEDIA: V/M		CRITICALITY: MEG	
/1.6.6.7.1	PERFORM VSCS Communicatio	. Initiating C/C ns *NAVAID status*			

		Task Elem	ment Report		
TASK NUMBER /	TASK STATEMENTS /				NO. 05
CLEMENT NUMBE	ER TASK ELEMENT STAT			ORJECTS	08JECTS
11.6.6.7	FORWARD NAVAID STATUS 10 AND				
	TASK TYPE: E/VC	COORD MEDIA: V/M	requency: LOW	CRITICALITY: MED (Continued)	
41.6.6.7.2	*NAVAID status* A/O	Sending ATC Moil			
A1.6.6.7.3		ommunicating Normally NAVAID status*			
41.6.6.8	FORWARD SUBSTITUTE ROUTING				
	TASK TYPE: E/VC	COORD MEDIA: V/F/M	FREQUENCY: LOW	CRITICALITY: HI	
A1,6,6,8,1	PERFORM VSCS. I				
41.0.6.8.2		Sending ATC Mail ing*			
11.6.6.8.3	PERFORM VSCS. Co	Communicating Normally Esubstitute routing*			
A1.6,6.9	DELETE PREVIOUS SUBSTITUTE	ROUTING	,		
	TASK TYPE: E/VC	COORD MEDIA: V/F/M	FREQUENCY: LOW	CRITICALITY: MED	
41.6.6.9.1	PERFORM VSCS, I	Initiating G/G *delete previous			
41.6.6.3.2	PERFORM TEM M.2.	. Serding ATC Moil s substitute routing*			
41.6,6.9,3	PERFORM VSCS. C	Communicating Normally *issue clearance deleting	g		
A1.6.6.10	DISCUSS APPROPRIATENESS WIT	TH SUPERVISOR OF RELEASI	NG EQUIPMENT TO MAIN	NTENANCE	
	TA:K TYPE: A/VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: LOW	
A1.6.6.10.1	metering, and as	her, traffic management/ irport information into of current and projected ther status		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
A1.6.6.10.2	releusing equipm	ity and impact of ment on the basis of jected workload, traffic	·.		
A1.6.6.10.3		*discuss with supervisor of releasing equipment	и·		
A1.6.6.10.4	PERFORM VSCS, F Communications	Receiving G/G Mdiscuss with supervisor of releasing equipment	ır		
	REVIEW NEED/ CANCELLATION (	OF SUBSTITUTE ROUTING W.	ITH SUPERVISOR		
A1.6.6.11					

		Tosk Elem	nent Report		
TASK NUMBER /	TASK STATEMENTS AND				NO. CF
ELEMENT NUMBER		ATEMENTS		OBJECTS	OBJECTS
1.5.6.11 R	(EVIEW NLED/ CANCELLATION	OF SUBSTITUTE ROUTING WITH			
	TASK TYPE: A/VC	COORD MEDIA: V	FREQUENCY: LOW	CRITICALITY: LOW (Continued)	
11.6.6.11.2	PERFORM VSCS. Communications implement subst	Initiating G/G #need to cancel or to			
1.6.6.11.3	A PERFORM VSCS, Communications concel substitu	*need to implement or to ute routing*			
N1.6.6.12 R	RECEIVE SUPERVISOR NOTICE	OF EQUIPMENT RELEASED TO M	MA INTENANCE		
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
41.6.6.12.1		Receiving G/G *notice from supervisor tus of equipment*	•		
a1.6.6.12.2		1, Receiving ATC Mail upervisor of release pment*			
41.6.6.13 E	ENTER REPETITIVE SUBSTITU	TE ROUTING FOR MULTIPLE FL	.IGHTS		
	TASK TYPE: E	COURD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
A1,6.6.13.1		titive_Route_Amendment		rtitiva_Route_Amendment	1
A1.6.6.13.2	EXECUTE _Repet: message	itive_Route_Amendment	Rep	petitive_Route_Amendment	1
A1.6.6.15.3	DETECT system ( _Repetitive_Roo	acceptance of out@_Amendment message	Кер	petitive_Route_Amendment	1
41,6,6,14	ENTER MESSAGE TO CREATE R	COUTE SUBSTITUTION FOR ATRO	::::::::::::::::::::::::::::::::::::::		
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: LOW	
A1.6.6.14.1	INITIATE _Creo	ite_Route message		eate_Route	1
A1.6.5.14.2	EXECUTE _Creat	e_Route message	Cre	eate_Route	1
A1.6.6.14.3	DETECT system   _Create_Route		Cre	eate_Route	1
A1.6.6.15	ENTER MESSAGE TO DELETE A	ROUTE SUBSTITUTION			
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LOW	CRIT]CALITY: LOW	
A1.6.6.15.1	INITIATE _Dele	ete_Route message		lete_Route	1
A1.6,6.15.2	EXECUTE _Delet	te_Route message	De	lete_Route	1
A1.6.6.15.3	RECOGNIZE syst _Delete_Route	tem acceptance of message	De	·lete_Route	7
A1.5.7.1	DETECT COMMUNICATION FAIL	 _URE			
1		COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.7.1.1	PERFORM VSCS,	Initiating G/G *problems in intitiating			

		Task Eleme	ent Report	*	
TASK NUMBER / ELEMENT NUMBER	TASK STATEMENTS AND TASK ELEMENT STA			0BJEC12	NO. OF OBJECTS
A1.6.7.1 DI	ETECT COMMUNICATION FAILU	re	******		
	TASK TYPE: VC/A	COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: Hl (Continued)	
A1.6.7.1.2	PERFORM VSCS, Communications		•••••••		
41.6.7.1.3	PERFORM VSCS, Air-To-Greund transmitting ai communications*				
41.6.7.1.4	0 PERFORM VSCS. Weather Infolma broadcasting* O	Broadcasting Recorder ation *problem with			
A1.6.7.1.5	PERFORM VSCS.	Monitoring ATIS Voice oblem monitoring ATIS*			
41.6.7.1.6		unction in VSCS system or prevents communication			
41.6.7.2 F	ORWARD ALTERNATE COMMUNIC	CATION PATH			
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
41.6.7.2.1		Initiating G/G *notice of alternate path*		, <del>,</del>	
41.6.7.2.2	PERFORM TEM M.2	2, Sending ATC Mail ernate communications			
A1.6.7.3 F	RECEIVE NEW FREQUENCY ASS	IGNMENT		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1 6.7.3.1	PERFORM VSCS, communications frequency*	Receiving G/G *notice of new	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		********
A1.6.7.3.2	PERFORM TEM M. *notice of new	1, Receiving ATC Mail trequency*			
A1.6.7.4	FORWARD NOTICE OF COMMUNIC	CATION STATUS			
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.6.7.4.1		Initiating G/G *communications status*			
A1.6.7.4.2		2, Sending ATC Mail s status*			
A1.6.7.5		SIGNMENT TO ANOTHER CONTROLI		LOT	
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.7.5.1		Initioting G/G = *advising of new			
A1.6.7.5.2	·-				

		Tosk Eleme	ent Report			
TASK NUMBER /	TASK STATEMENT: AND					NO. OF
ELEMENT NUMBER	R TASK ELEMENT S				DBJECTS	ORJECT
11.6.7.5		IGNMENT TO ANOTHER CONTROLL				
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY: LO	1	CRITICALITY: HI (Continued)	
A1.6.7.5.3	PERFORM VSCS.	Communicating Normally *advising of new				
A1.6.7.6	RECEIVE NOTICE OF ALTERNA					
	TASK TYPE: R/VC	COORD MEDIA: V/M	FREQUENCY: LO	A)	CRITICALITY: HI	
A1.6.7.6.1	PERFORM VSCS, Communications communications	Receiving G/G ** *alternate				
A1.6.7.6.2		.1. Receiving ATC Mail muunications path*				
A1.6.8.1	DETERMINE IMPENDING CONTR	OLLER GVERLOAD			·	
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LO	М	CRITICALITY: HI	
A1.6.8.1.1	_Background_De _Weather_Descr _Situation_Dis and_projected	splay to determine current workload levels		Data_8 Backgr Weaths	ion_Symbol	30 27 1 2
A1.6.8.1.2	_Flight_Data_D	nt_Data_Entry and _Time on Display for information actual and projected ls		Time	t_Oato_Entry t_Dato_Oisplay	27 1 1
A1.6.6.1 <b>3</b>	ACQUIRE RWP_H RWP_Hazardous IFR7IMC_Area Situation_Dis	Hazardous_Wecther_Data, s_Area_Dutline, and _Outline on _pplay for information actual or predicted ls		RWP H	ozardous_kleather_Data ozardous_Area_Outline MC_Area_Outline tion_Display	1 3 2 1
A1.6.8.1.4	ACQUIRE _Aeror _Data_Display weather condit current and pr	noutical And Meteorological for actual and predicted tions to aid in determining rojected workload levels /0		Aeron	autical_And_Meteorological_Data_Displa	у 1
A1.6.8.1.5	ACQUIRE _Traff t for traffic	fic_Management_Advisory_Lis management_information /0		Traff	ic_Management_Advisory_List	1
A1.6.8.1,6	ACQUIRE _Meter and _Metering _Metering_Advi information	ring_Advisory_List_Header _Advisory_List_Entry on isory_List for metering		Meter	ing_Advisory_List_Header ing_Advisory_List_Entry ing_Advisory_List	1 1 1
A1.6.8.1.7		/D or_Workload_Display for kload levels		Secto	oWorkload_Display	1
A1.6.8.1.8	information to	l traffic and weather o form a mental picture of rojected workload levels				
Ai.6.8.1.9	ASSESS individ	dual workload				
A1.6.8.2	EVALUATE WORKLOAD FACTOR:	S NOT INCLUDED IN AUTOMATED	INFORMATION			
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: LO	OL)	CRITICALITY: HI	
A1.6.8.2.1	traffic munag actions into	introller, supervisor, gement, and pilot intended a mental picture of current worklood levels				

	**************************************	/ DATA				
TASK NUMBER / ELEMENT NUMBER	TASK STATEMENTS AND R TASK ELEMENT ST				OBJECTS	NO. OF OBJECTS
1.6.8.2		NOT INCLUDED IN AUTOMATED 1				
	TASK TYPE: A	COORD MEDIA:	FREQUENCY: (	.041	CRITICALITY: HI (Continued)	
11.6.8.2.2	based on mental	and future workload picture of current and ic and weather status				
11.6.8.2.3	ASSESS individu	al workload				
11.6.9.3	REQUEST ASSISTANCE OR RELI	EF				
		COORD MEDIA: V/M	FREQUENCY:	_OL4	CRITICALITY: HI	
41.6.8.3.1	relief*	Initiating G/G *request assistance or				
A1.6.8.3.2		?, Sending ATC Mail conce or relief*				
A1.5.8.4	REQUEST FLOW CONTROL BE 13	1POSED				
	TASK TYPE: E/VC	COORD MEDIA: V/M	FREQUENCY:	1,04	CRITICALITY: HI	
A1.6.8.4.1	Communications imposed⊁	Initiating G/G *request flow control be		•		*
A1.6.8.4.2		2, Sending ATC Moil control be imposed*				
A1,8.9.5	REQUEST SECTOR HORKLOAD P	REDICTIONS				
	TASK TYPE: E/R	COORD MEDIA:	FREQUENCY:	Lar:	CRITICALITY: LOW	
A1.6.8.5.1	IN[TIATE _Sect message	or_Workload_Prediction		Se	ctor_Worklcad_Prediction	1
A1.6.8.5.2	EXECUTE _Secto message	r_Workload_Prediction		Se	ctor_Workload_Prediction	ī
A1,6,8.5.3	number öf cont	Number and ca_Predicion *average rolled aircroft per time m _Sector_Workload_Display		Se	ctor_Number ctor_Worklood_Fredicion ctor_Worklood_Oisplay	1 1 1
A1.6,8.6	EVALUATE SECTOR WORKLOAD	PREDICTIONS		<b></b>		
			FREQUENCY.	i Oil	CRITICALITY: LOW	
A1.6.8.6.1	EVALUATE secto upon the numbe displayed for	r workload situation based r of predicted aircraft the specified time e_Sector_Workload_Display			CRITICALITY: LOW	1
A1.6.9.1	INFORM PILOT OF RADAR CON					~
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY:	FOM	CRITICALITY: MCD	
A1.6 9.1.1	PERFORM VSCS, Air-To-Ground	Communicating Normally *radar contact lost*				
A1.6.9.2	REASSOCIATE DATA BLOCK					
	TASK TYPE: E	COORD MEDIA:	FREQUENCY:	FOH	CRITICALITY: MED	
A1.6.9.2.1	INITIATE _Troo				rack_Reposition	1

				ment Report			
TASK NUMBER /	,	TASK STATE	MENTS / DATA ND NI STATEMENTS				NO. CF
ELEMENT NUMBE	R				OBJECTS		OBJECTS
41.6.9.2	REASSOCIATE DATA BLOCK						
	TASK	TYPE: E	CCORD MEDIA:	FREQUENCY: LOW	CRITICALITY:	MED (Continued)	
A1.6.9.2.2			rock_Reposition message		Track_Reposition		1
41.6.9.2.3		DETECT _Da	ta_Block reassociated with		Data_Block		1
		Position	to_Block reassociated with Symbol on _Situation_Display		Position_Symbol Situation_Display		1
A1.6.9.3	OBSERVE DA	TA BLOCK NO	I ASSOCIATED WITH TARGET				
			COORD MEDIA:	EREQUENCY: LOW	CRITICALITY:	MEO	
A1.6.9.3.1							1
41.0.9.3.1		_Data_Bloc	tuation_Display to verify that k is associuted with Symbol	•	Oata_Block		1
		Position	Symbol .		Position_Symbol		1
41.6.9.3.2		DETECT _Do Position	ta_Block association with Symbol on _Situation_Display		Data_Block Position Symbol		1
		-	•• ••		Situation_Display		1
41.6.9.4	TERMINATE	RADAR SERVI	CE TO AIRCRAFT				
	TASK	TYPE: VC	COORD MEDIA. V	FREQUENCY: LOW	CRITICALITY:	Mit 0	
A1,6.9,4.1		PERFORM VS	CCS, Communicating Normally bund *termination of radar				
A1.6.9.5	INITIATE U		RADAR SEPARATION STANDAROS				
	TASK	TYPF: R/A	COORO MEDÍA:	FREQUENCY: LO	4 CRITICALITY:	WI.	
A1,6.9.5.1		ACQUIRE _[ _Flight_Do pertuining	light Data Entry and _Time on ata_Display for information a to aircraft separation		Flight_Duta_Entry Time Flight_Duta_Display		27 1
#1.6.9.5.2		altitude,	E position, route, speed, ourcraft and time information atal picture of dircraft a				
AT.6.9.5.3			aircraft paths warranting lose monitoring and evaluation				
41.6.9.5.4			_Trock message		Track		1
A1,6.9.5.5		EXECUTE _	Track massage		Trock		i
A1.6.9.5.6		_Track_Pa	ull_Data_Block and sition_Symbol = *flight plan tion*= on _Situation_Display		Full_Data_Black Track_Position_Syml Situation_Display	ool	1 1 1
41,6,9,5,7			flight Plan_Extrapolation #to initiate flight plan Uron#		Flight_Plan_Extrapo	lation	1
A1.6 9.5.8		message _	Flight_Plan_Extrapolation		Flight_Plan_Extrapo	olation	1
A1.6.9.5.9		_Track_Pa	ull_Oato_Block and sition_Symbol *flight plan tion* on _Situation_Oisplay		Full_Data_Block Track_Position_Symb Situation_Display	ool	? 1 1

	Task Ei	ement Report	
TASK NUMBER /	TASK STATEMENTS / DATA AND TASK ELEMENT STATEMENTS		NO. OF
ELEMENT NUMBER		08JECTS	OBJECT
11.6.9.6 SUPPR	ESS FLIGHT PLAN EXTRAPOLATION FOR A TRACK		
	TASK TYPE: E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED	
11.6.9.6.1	INITIATE Track message *to suspend full data block and track position symbol*	Track	1
1.6.9.6.2	EXECUTE _Track message	Track	1
A1.6.9.6.3	RECOGNIZE _Full_Data_Block andTrack_Position_Symbol *in extrapolated status* on _Situation_Display are removed	Full_Data_Block Trock_Position_Symbol Situation_Oisplay	1 7 1
41.6.9.6.4	0 INITIAIE _Flight_Plan_Extrapolation message *to suppress flight plan extrapolation status*	Flight_Plan_Extropolation	1
A1.6.3.6.5	EXECUTE _Flight_Plan_Extrapolation message	Flight_Pian_Extrapolation	1
41.5.9.6.6	RECOGNIZE Full Data Block and Position Symbol *in extrapolated status* on Situation Display are removed	Full_Data_Block Position_Symbol Situation_Display	1 1 1
A1,6,9.7 INII	TATE USE OF RADAR SEPARATION STANDERDS		
	TASK TYPE: R/A/E COORD MEDIA:	FREQUENCY: LOW CRITICALITY: MED	
A1.5.3.7.1	SCAN_Torget/Track_Descriptor on the _Situation_Display	Target/Track_Descriptor Situation_Display	27 1
21.6.9.7.2	DETECT Position Symbol or Outo Block on the "Situation Display entering an area of radar coverage but not under radar contact*	Data_Block	1 1 1
A1.6.9.7.3	INITIATE _Trock message *to initiate track on aircraft*	o Track	1
A1,6,9.7.4	EXECUTE _Truck message	Track	:
A1,6,9.7.5	DETECT appearance of _Full_Data_Block for appropriate aircraft on _Situation_Display	Full_Doto_Block Situation_Display	1 1
41.6.9.7.6	PERFORM VSCS, Communicating Normally Air-To Ground *request pilot to squaw "ident"*	Ground k	1
A1.6.9.7.7	SEARCH Situation Display for _Ident_Indicator In _Target_Position_Symbol	Situation_Display Ident_Indicator Target_Position_Symbol	1 1 1
A1.6.9.7.8	DETECT _Ident_Indicator in _Target_Position_Symbol on Situation Display	Ident_Indicator Target_Position_Symbol	1
A1.6.9.7.9	EXTRACT _Callsign from _Full_Data_Bloc of aircraft squowking "ident"	Full_Data_Block	1
	JEST PILOT POSITION REPORTS		
	TASK TYPE: VC COORD MEDIA: V	FREQUENCY: LOW CRITICALITY: HI	
A1.6.9.8.1	PERFORM VSCS, Communicating Normally Air-To-Cround *request pilo& position reports*		******

		Task Elem	ent Report			
	TASK STATENENTS	5 / DATA				NO. OF
ELEMENT NUMBER /	TASK STATENENTS AND R TASK ELEMENT ST	ATEMENTS		(	OBJECTS	08-JECTS
1.6.9.8	REQUEST PILOT POSITION REF	ORTS				
	TASK TYPE: VC	COORD MEDIA: V	FREQUENCY: LO	i 	CRITICALITY: HI (Continued)	
N1.6.9.8.2	station, ARING					
A1.8.9.9	CBSERVE RETURN OF NORMAL	RAGAR ENVIRONMENT				
	TASK TYPE: R/A	COURD MEDIA:	FREQUENCY: LO	d	CRITICALITY: H!	
A1.6.9.5.1	RECOGNIZE that returned to no					
A1.6.9.10	OBSERVE AIRCRAFT TRACK IN		. 4			
		COORD MEDIA:				
A1.6.9.10.1	ACQUIRE fisit on Situation: coast mode*	ion_Symbol and _Dato_Block Disploy #for aircraft in				30 27 1
A1.6.1Ø.1	OBSERVE MESSAGE ON LOGS O					
	TASK TYPE: R	CCORD MEDIA:	FREQUENCY: LC	t.)	CRITICALITY: HI	
A1.6.10.1.1	ACQUIRE Compu System Status	ter_Outage_Data on _Data_Display *for computer outage affecting			1	
A1.6.10.2	DETECT FAILURE TO UPDATE	FLIGHT PLAN DATA BASE				
	TASK TYPE: R/4	COORD MEDIA:	FREQUENCY: LO	ш	CRITICALITY: HI	
41.6.10.2.1	SEARCH_Flight _Flight_Data_[ flight_plon_do	:_Data_Entry on Display *to verify that, Displays is being updated*		Fligh	ht_Doto_Entry ht_Uoto_Display	2 <i>7</i> 1
A1.6.1Ø.2.2	RECOGNIZE that being updated	: _Flight_Doto_Entry is not		Flig	ht_Dato_Entry	1
A1.6.10.3	ENTER DISPLAY AMENDMENT I	MESSAGE ON CONSOLE				
	TASK TYPE: E	COORD MEDIA:	FREQUENCY: LO	)W	CRITICALITY: HI	
A1.6.10.3.1	INITIATE Flic *in reduced co mode*	ght_Data_Amendment message apoblity or emergency		Flig		1
41.5.10.3.2	EXECUTE _Flig	nt_Datu_Amendment message		Flig	ht_Data_Amendment	1
Λ1.5.10.3.3		ance of new data in ield of _Flight_Data_Entry		Flig	ht_Data_Entry	1
	ENTER FLIGHT PLAN ON CON					<b></b>
	TASK TYPE: E	COURD MEDIA:	FREQUENCY: L	ON	CRITICALITY: HI	
Λ1.G.18.4.1		ght Plan message -*in ility or emergency mode*		Flig	ht_Plun	1
A1.6.10.4.2	EXECUTE _F11g	ht_Plan message		Flig	ht_Plan	1

	Task Elem	ent Report	
TASK NUMBER /	TASK STATEMENTS / DATA AND TASK ELEMENT STATEMENTS	OBJECTS	NO. CF OBJECTS
	TER FLIGHT PLAN ON CONSOLE		
		FREQUENCY: LOW CRITICALITY: H! (Continued)	
A1.5.10.4.3	DETECT system acceptance of _Flight_Plan message		1
	RIFY FLIGHT PLAN DATA BASE TRANSITION ACTIVITIES		· · · · · · · · · · · · · · · · · · ·
	TASK TYPE: E/R/VC COORD MEDIA: V/M		
A1.6.10.5.1	ACQUIRE _Full_Data_Black on _Situation_Display for verification of flight data accuracy during transition	Full_Data_Block Situation_Display	27 1
A1.6.10.5.2	CCMPARE information on _Flight_Dato_Display with information on _Situation_Display 	Flight Data Display Situation_Display	1
A1.6.10.5.3	PERFORM VSCS, Initiating G/G Communications *query other controllers, supervisor, and/ or system engineer to verify flight plan data base*		
41.6.10.5.4	A PERFORM VSCS, Receiving G/G Communications *receive flight plan data base information from atter controllers, supervisor, and/ or system engineer*		
A1.6.10.5.5	O PERFORM TEM M.2, Sending ATC Mail *query other controllers, supervisor, or system engineer about filght plan data base*  A		
A1.6 10.5.6	PERFORM TEM M.1, Receiving ATC Moil *receive flight plan data base information from other controllers, supervisor, or system engineer*		
A1.6.11.1 DE	TECT UNRELIABLE VSCS COMMUNICATION		
	TASK TYPE: A/VC COORD MEDIA:	FREQUENCY: LOW CRITICALITY: HI	
A1.5.11,1.1	PERFORM VSCS. Initiating G/G Communications *intermittent problem Initiating G/G communications*		
A1.6.11.1.2	O PERFORM VSCS, Receiving G/G Communications *intermittent problem receiving G/G communications*		
A1.6.17.1.3	O PERFORM VSCS, Communicating Normally Air-To-Ground *Intermittent problem receiving or initiating Air-To-Ground communications*		
A1.6.11.1.4	O PERFORM VSCS, Broadcasting Recorded Message *intermittent problem broadcasting*		
A1.3.11.1.5	PERFORM VSCS. Monitoring ATTS Voice Recording *intermittent problem monitoring ATTC*		
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		Task Elem	ene vebore		
1ASK NUMBER /	TASK STATEMENTS / D/ AND	ATA			NO. CF
ELEMENT NUMBER	AND TASK FLEMENT STATEM	ENTS		OBJECTS	OBJECTS
1.6.11.1 DE	TECT UNRELIABLE VSCS COMMUNI				
	TASK TYPE: A/VC CO	ORD MEDIA:	FREQUENCY: LOW	CRITICALITY: HI (Continued)	
11.6.11.1.6	RECOGNIZE malfuncti which intermittentl communication capab	on in VSCS system y degrades			
.1.6.11.2 QU	ERY WHETHER OTHERS ARE RECEI	VING AN AIRCRAFT'S TRA	N/3MISSIONS		
	TASK TYPE: E/VC CO	ORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
41.6.11.2.1	PERFORM VSCS, Init Communications *qu controller is recei transmission*	lating G/G ery if other			
A1.6.11.2.2	transmission*				
A1.6.11.2.3	O PERFORM TEM M.2. S *query if othe: cor aircraft transmissi A	ntroller is receiving			
A1.6.11.2.4	PERFORM TEM M.1, F	er controller is/ is			
A1.6.11.2.5	PERFORM VSCS, Comm	ery if other pilot is			
A1.6.11.3 19	SSUE ALTERNATE COMMUNICATION	FOR AIR/ GROUND TRANS	MISSION		
	TASK TYPE: VC CO	OCRD MEDIA: V	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.11.3.1	PERFROM VSCS, Comm Air-To-Ground *is: communication change	municating Normally sue alternate			
A1.6.11.4 RE	ECEIVE NOTICE OF TRANSIENT CO				
	TASK TYPE: R/VC C	OORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: MED	
A1.6.11.4.1	PERFORM VSCS, Rec Communications *n communication fail	otice of transient			••
A1.6.11.4.2	PERFORM TEM M.1, *notice of transie farlure*				
	ECEIVE NOTICE TO TAKE OVER A				
	TACK TYPE: R/VC C	OORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.12.1.1	PERFORM VSCS, Rec Communications *n airspace*	eiving G/G		CRITICALITY: NI	
A1.6.12.1.2	PERFORM TEM 4.1. Mnobice to take ov	rer dirspace*			
A1.6.12.7 8	ECKIVE HOTZCE TO PREPARE FOR				
				CRITICALITY: HI	
21.6.12 2.1	FileFoots VSCS, Rec Communications Mr reconfigurations	etving 6/6			



	Task Eleme			
TASK NUMBER /	TASK STATEMENTS / DATA AND			NG OF
ELEMENT NUMBER			OBJECTS	NG. OF OBJECTS
A1.6.12.2 REC	CEIVE NOTICE TO PREPARE FOR SECTOR RECONFIGURATION			
	TASK TYPE: R/VC COORD MEDIA: V/F/M	FREQUENCY: LOW	CRITICALITY: HI (Continued)	
A1.6.12.2.2	PERFORM TEM M.1, Receiving ATC Moil *notice of sector reconfiguration*			
A1.6.12.2.3	RECOGNIZE Resectorization_Prompt on _Flight_Data_Display		torization_Prompt nt_DataDisplay	1
A1.6.12.2.4	<pre>RECOGNIZE _Resectorization_Support_rDE_I ndication **emphosis**</pre>	Resec	ctorization_Support_FDE_Indication	15
A1.6.12.3 REC	CEIVE NOTICE TO RELEASE AIRSPACE			
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1.6,12.3.1	PERFORM VSCS, Receiving G/G Communications *notice to release airspace*			
41.6.12.3.2	PERFORM TEM M.1, Receiving ATC Mail *notice to release airspace*			
A1.6.12.4 RE	CEIVE NOTICE THAT ADJACENT FACILITY IS OPERATIVE	· <b></b>		
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.12.4.1	PERFORM VSCS, Receiving G/G Communications *notice that adjacent facility is operative* 0			
41.6.12.4.2	PERFORM TEM M.1. Receiving ATC Mail *notice that adjacent facility is operative*			
A1.6.12.5 RE	CEIVE NOTICE THAT ADJACENT FACILITY IS INOPERATIVE			
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.12.5.1	PERFORM VSCS, Receiving G/G Communications *notice that adjacent facility is inoperative*		···-	
λ1.6.12.5.2	O PERFORM TEM M.1, Receiving ATC Mail *notice that adjacent facility is inoperative*			
A1.6.12.6 EN	ITER RECONFIGURATION/ RESECTORIZATION ACCEPTANCE			
	TASK TYPE: E/VC COORD MEDIA:	FREQUENCY: LOW	CRITICALITY: MED	
A1.6.12.6.1	INITIALE _Accept_Resectorization message	Acce	pt_Resectorization	1
A1.6.12.6.2	EXECUTE _Accept_Resectorization message	Acce	pt_Resectorization	1
A1.6.12.6.3	DETECT system acceptance of _Accept_Resectorization message	Acce	pt_Resectorization	1
A1.6.12.6.4	PERFORM VSCS, Receiving VSCS Status *detect transfer of VSCS capability*			
A1.6.13.1 RE	CCTIVE NUTICE OF RADAR SENSOR STATUS			•
	TASK TYPE. R/YC COORD MEDIA: V/M	FREQUENCY: LOW	CRITICALITY: HI	
A1.6.13.1.1	PERFORM VSCS, Receiving G/G Communications *radar sensor status* O		·	

	Task Ele	ment Report				
TASK NUMBER ELEMENT NUMB			00	JECTS		NO. OF OBJECTS
A1.6.13.1	RECEIVE NOTICE OF RADAR SENSOR STATUS					
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LOW	4	CRITICALITY: HI	(Continued)	
11.6.13.1.2	PERFORM TEM M.1. Receiving ATC Moil *radar sensor status*					
A1.6.13.2	RECEIVE PROCEDURES TO BE USED TO ACCOMMODATE SENSOR	OUTAGE				
	TASK TYPE: R/VC COORD MEDIA: V/M	FREQUENCY: LO	W	CRITICALITY: MED		
A1,6.13.2.1	PERFORM VSCS, Receiving G/G Communications *procedures to be used during sensor outage*					
A1.5.13.2.2	PERFORM TEM M.1, Receiving ATC Moll *procedures to be used during sensor outage*					
A1.6.13.3	PERCFIVE TRACKING OR TRANSPONDER FAILURE		~=			
	TASK TYPE: R/A COORD MEDIA:	FREQUENCY: LO	ш	CRITICALITY: HI		
A1.G.13.3.1	RECOGNIZE track swap/ track disassociation from relationship of _Position_Symbol to _Full_Data_Black on _Situation_Display		Full_0	on_Symbol ata_Block ion_Display		2.7 27 1
A1.6.13.3.2	RECOGNIZE disappearance of target fromSituation_Display		Situat	ion_Display		1
A1.6.13.3.3	DETFCT appearance of Coast_Indicator in Track Position_Symbol, Leader_Line, Full Data Block and/ or Portiol_Data_Block on Situation Displa		Track[ Leader Full_0	Indicator Position_Symbol _Linc ato_Block l_Dato_Block		1 2 2 2 2
A1.6.13.3.4	U DETECT _Transponder_Failure_Notice in _Full_Data_Black on Situation Display			onder_Failure_Noti ata_Block	ce	1 1
A1.6.13.4	FORMARD NOTICE OF RADAR SENSOR STATUS TO ANOTHER C	ONTROLLER/ SUPER	RVISOR			
	TASK TYPE: E/VC COORD MEDIA: V/M	FREQUENCY: LO	)(J	URITICALITY: MED		_
A1.6.13.4.1	PERFORM VSCS, Initiating G/G Communications *notice of radar sensor status*					
A1.6.13.4.2	PERFORM TEM M.2, Sending ATC Mail *notice of radar sensor status*					

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## APPENDIX F

## TRACEABILITY TABLES

Traceability of ACF/ACCC controller tasks to functional requirements of the System Level Specification [21] shows that functionality exists to support the task. Voice communication tasks and purely mental/analytical tasks will not trace to any SLS requirement; only tasks involving receipt or entry of Sector Suite information can be traced.

The task to SLS requirement traceability table in this appendix contains five columns of information:

Task Number

Task Statement

AAS SLS Paragraph Number

AAS SLS Requirement extracting the pertinent SLS text

Page Number of the requirement location in the SLS [21].

Following the presentation of all tasks, there is a list of "orphan" tasks. These are the tasks not containing any reference to an SLS paragraph. All of these orphan tasks should be of an Analytical or Verbal Communication task type (per Appendix D, Task Information Requirements), or a receipt task involving direct observation of an event or situation.

NOTE: Due to the extensive revision of the data in this Appendix, black lines (side bars) in the margins to indicate substantive changes (see Foreword) from the original volume have not been used.

Task Number:	Task Statement	Pairagraph Number	Requirement	Page No.
A1,1,1,1	REVIEW FLIGHT DATA DISPLAY FOR PRESENT AND/ OR FUTURE AIRCRAFT SEPARATION	3.7.1.2.1.1.2-80	FLIGHT DATA DISPLAY	339
A1.1.1.2	REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF AIRCRAFT SEPARATION STANDARDS	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
41.1.1.3	REQUEST CONTINUOUS RANGE READOUT	3.7.1.2.1.2.1 00	TRACK CONTROL	368
		3,7.1.2.1.2. 60	r. Continuous Runge Reudout: Flight Identification(s), (Point Identifier).	372
		3.7.1.2.1.2.1-61	r. Continuous Range Readout: This message shall provide the means for the controller to display the distance in miles between two aircraft or between an aircraft and a designated point.	372
		3.7.1.2.1.2.1-62	r. Continuous Range Readout: The mileage shall be updated and displayed at an adapted rute until the controller suppresses it.	372
A1.1.1.4	PROJECT MENTALLY AN AIRCRAFT'S FUTURE POSITION/ ALTITUDE/ PATH	3,7,1,2,1,1,1~ປຍ	SITUATION DISPLAY	323
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
Al 1.1.5	REQUEST RANGE/ BEARING/ TIME MESSAGE, WITH OPTIONS	3.7.1.2.1.2.1-00	TRACK CONTRUL	368
		3.7.1.2.1.2 1/47	o. Fix/Time Peadout: Flight Identification, Fix, (Time)	371
		3.7.1.2.1.2.1-48	o. Fix/Time Readout: This message shall provide the means for the controller to display the speed adjustment necessary to position the designated directf over the designated fix at the specified time.	371
		3.7.1.2.1.2.1-5Ø	p. Range/Bearing Readout: First Point Identifier or Flight Identification, Second Point Identifier, (Speed), (Nagnetic/Inve Bearing).	371
		3.7.1.2.1.2.1-51	p. Ronge/Benning Readout: This message shall provide the means for the controller to display the distance and bearing either magnetic or true between two CPSD selected points or between the track position of the designated flight identification and a CPSD selected point.	371
		3.7.1.2.1.2.1-52	p. Ronge/Bearing Readout: If the first point is associated with a track or if a flight identification is entered, the ground speed and the flying time to the second point shall be displayed in addition to the distance and bouring to the first point.	37

Fask Number	Task Statement	Paragraph Number	Requirement	Page No.
41.1.1.5 (cont'd)	REQUEST RANGE/ BEARING/ TIME MESSAGE, WITH OPTIONS	3.7.1.2.1.2.1-53	p. Range/Bearing Readout: If a speed is input with the message, this speed shall be displayed and the flying time between the two Jesignated points shall be calculated and displayed based on this speed.	372
		3.7.1.2.1.0 1-55	q. Runge/Bearing/Fix Readout: Point Identifier or Flight Identification, Adapted Fix, (Speed), (Magnetic/True Bearing).	572
		3.7.1.2.1.2.1-56	q. Range/Bearing/Fix Readouu: This message shall provide the means for the controller to disploy the distance and bearing either magnetic or true between a CPSD selected point or track position of the designated flight identification and a designated udapted fix	372
		5.7.(.2.1.2.1-57	a. Range/Bearing/Fix Readout: If the first point is associated with a track or if a flight identification is entered, the ground speed and the flying time to the designated adapted fix shall be displayed in addition to the distance and bearing to the designated adapted fix.	372
		3.7.1.2.1.2.1-58	a. Range/Bearing/Fix Readout: If a speed is input with the message, this speed shall be displayed and the flying time to the designated adapted fix shall be colculated and displayed based on this speed.	372
A1.1.1.6	FORCE, QUICK LOCK FULL DATA BLOCK(S) TO EXAMINE TRACK INFORMATION ON AIRCRAFT	3 7.1.2.1.1.1-00	SITUATION DISPLAY	32
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	331
		3.7.1.2.1.1.1.3-78	The capability shall be provided to force the display of Full Data Blocks at a sector under specified conditions, overriding all display central functions.	359
		as a result of nandoff or	An 'adapted' FOB format shall be displayed as a result of handoff or pointout which has been initiated, or from a quick look action.	33'
		3.7.1.2.1.2.1-00	TRACK CONTROL	36
		3.7.1.2.1.2.1-13	e. Force Data Block: flight Identification.	36
		3.7.1.2.1.2.1-14	e. Force flata Block: This massage shall be used to cause or remove the forcing of the display of a Full Duta Block for an individual aircraft on a Situation Display.	36
		3.7.1.7.1.2.1-37	k. Quick Look: (Sector Numbers).	37

Tosk Number	Task Statement	Panograph Number	Requirement	Page No.
(1,1,1 5 cont 'd)	FORCE/ QUICK LOOK FULL DATA BLOCK(S) TO EXAMINE TRACK INFORMATION ON AIRURAFT	3.7.1.2.1.2.1-39	k. Quick Look: This message shall provide the means for the controller to display FDBs for aircraft in the position's geographic area of concern that are eligible for display as FDBs at another position or positions in the ACCC, in adjacent sectors in adjacent ACCCs, or in a TCCC being supported.	371
1, 1, 1, 8	SELECT FOE SCRIING PRIORITY SCHEME	3.7.1.2.1.1.2-08	FLIGHT DATA DISPLAY	339
		5.7.1.2.1.1.2-26	The controller shall be able to select, prioritize, and order sort factors, on a per list basis.	339
		3.7.1.2.1.1.2-16	b. Ordering - Flight Nata Entries shall be ordered either outomatically or manually under controller command.	341
		3.7.1.2.1.1.2-17	o. Ordering - Each list of FDEs sholl be controlled separately.	34
		3.7.1.2.1.1.2-16	b. Ordering - In outcmatte ordering, the FOE's shall be sorted according to specified fields of the Flight Data.	34
		3.7.1.2.1.1.2-19	b. Ordering - The controller shall have the coprblity to prioritize the sort factors and to choose an ascending or descending sort order on a per list basis.	34
1.1.1.9	CBSERVE TRACK VELOCITY/ DISTANCE VECTOR TO PROJECT AIRCRAFT MOVEY IF	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3:
		3.7 1.2.1.1.1.4-00	TRACIC VECTOR	3
		3.7.1.2.1.1.1.4-ð:	The Situation Display shall contain a velocity/distance vector associated with each track.	3
		3.7.1.2.1.1.1.4-02	The velocity vector shall start at the track position symbol and its length shall correspond to the distance the discret will travel in a controller selectable number of minutes from zero up to an adaptable maximum value.	3.
		3.7.1,2,1,1,1,4-03	The distance vector shall start at the track position symbol and its length shall correspond to a controller-selectable number of miles along the projected heading.	3
		3.7 1.2.1.1.1.7-05	An indication shall be provided to distinguish between the two types of track vectors.	3
1,1,1,10	READ OUT VERTICAL VELOCITY TO ASSESS POTENTIAL CONFLICT	3.7.1.2.1.2.1-00	TRACK CONTROL	3
		3.7.1.2.1.2.1-42	m. Vertical Velocity Readout: Flight Identification.	3



		Requirement Traceat		Poge
Task Number	Task Statement	Paragraph Number	Requirement	No.
A1,1,1,19 (contid)	READ OUT VERTICAL VELOCITY TO ASSESS POTENTIAL CONFLICT	5.7.1.2.1.2.1-43	m. Vertical Velocity Readout: This message shall provide the means for the controller to display the vertical velocity of an aircraft.	371
		3.7.1.2.1.2.1-44	m. Vertical Velocity Readout: This readout shall be terminated by controller command or ofter an adaptable time.	371
A1.1.11	SUPPRESS CONTINUOUS RANGE SEADOUT	3.7.1.2.1.2.1-00	TRACK CONTROL	368
		3.7.1.2.1.2.1-60	r. Continuous Range Readout: Flight !dentification(s), (Paint Identifier).	372
		3.7 1.2.1.2.1-62	r. Continuous Range Readout: The mileory shall be updated and displayed at an adapted rate until the controller suppresses i	372
41,1,1,12	REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF AIRSPACE SEPARATION STANDARDS	5.7.1.2.1.1.1-6a	SITUATION DISPLAY	323
411.13	REVIEW DISPLAYS FOR POTENTIAL VIOLATION OF FLOW RESTRICTIONS	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	3.39
		3.7.1.2.1.1.5.8-00	TRAFFIC MANAGEMENT ADVISORY LIST	354
		3.7.1.2.1 1.5.9-00	METERING ADVISORY LIST	355
41.1.1 14	REVIEW SITUATION DUPLAY FOR POTENTIAL VIOLATION OF CONFURMANCE CRITERIA	3.7.1.2.1.1.1-60	SITUATION DISPLAY	323
A1.1.1.18	RESUEST DISPLAY OF CLEARED ROUTE FOR A FLESHI	5.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		5.7.1.2.1.1.1.11-90	ROUTE DISPLAY	356
		3.7.1.2.1.1.11-81	The controller shall be oble to display the planned route of any flight on the Situation Display for which flight plan information is available.	336
		3.7.1.2.1.1.11-02	The controller shall be able to specify the amount of route display in terms of the number of minutes of flight time.	338
A1.1.2.1	CUSERVE DISPLAY OF MEMA CHANGED EQUIPMENTA OPERATIONAL CHATUS	3.7.1.1.3.00	SYSTEM FUNCTIONAL PERFORMANCE MONITORING CAPABILITY	263
		5.7.1.1 1.3-02	It shall report to the operations and supervisory personnel all events which affect the functional performance of the system.	26
			system.	

Task Number		o Requirement Traceal Paragraph Number	Requirement	Page No.	
				+-	
A1.1.2.1 (contid)	OPSERVE DISPLAY OF NEW/ CHANGED EQUIPMENT/ OPERATIONAL STATUS	3.1.1.1.1.3.3-00	MONITOR FUNCTION PLR DRMANCE AND AVAILABILITY	263	
		3.7.1.1.1.3.3-03	The ACCC shall alert supervisory and operational personnel to any degradation of the system's functional performance.	263	
		3.7,1,1.1.3.3-04	If the performance of a function degrades to a point where it is no longer useful, performance of that function shall be outomatically suspended and supervisory and operational personnel shall be notified.	263	
		5.7.1.1.1.3.5-08	If the Reduced Capability Mode cannot be maintained, all supervisory and operational personnel shall be notified that the system is in the emergency mode and messages shall be sent to adjacent and backup ACCCs and appropriate TCCCs.	263	
		3.7.1.1.3.3-19 3.7.1.1.3.3-19	When the interface between a TCCC or D-BRITE and an ACCC is lost or when the ACCC aptermines that the TCCC is in stand-alone mode, the ACCC shall signal supervisory and affected operational personnel and the Traffic Management System Facility of the outage.	264	
			When communications are restored or the TCCC returns to Normal Mode, the ACCC shall signal the affected personnel and facilities.	254	
		3.7.1.2.1.1.8-00	SYSTEM STATUS DATA DISPLAY	359	
	3.7.1.2.1.1.8-Ø1 3.7.1.2. <sup>1</sup> .1.8-02	3.7.	3.7.1.2.1.1.8-01	This logical aisplay shall contain dynamic information regarding the status of ATC equipment, operational areas, airports, etc.	359
		3.7.1.2.1.1.8-62	The following data categories shall be included: Communication Channel Assignments, Radio Frequencies, Radio Equipment Outages and Repair Schedule, Radar Equipment Outages and Repair Schedule, NAVAID Outages and Repair Schedule, NAVAID Maintenance Schedule, Sectorization Plan (See SLS).	359	
		3.7.1.2.1.1.8-05	The controller shall have the capability to select the categories of data to be displayed.	359	
		3.7.1.2.1.1.8-04	All displayed information shall be updated automatically when changes are reported.	359	
		3.7.1.2.1.1.8-65	As established through adaptation, selected items shall be emphasized to indicate that an automatic update has occurred on the display.	359	
41.1.2.2	ENTER SYSTEM STATUS DATA CHANGE	3.7.1.2.1.2.4-90	SYSTEM STATUS DATA CHANGES	380	
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Task Number	Task Statement	Paragraph Number	Requirement	No No
A1.1.2.2 (cont/a)	ENTER SYSTEM STATUS DATA CHANGE	3.7.1.2.1.2.4-Ø1	The controller shall be able to change the System Status Data that are listed in Section 3.7.1.2.1.1.8 describing the System Status Data Display.	38
		3.7.1.2.1.2.4-82	These messages shall change the text stored for the various categories of data but not affect the processing of any functions.	38
		3.7.1.2.1.2.4-03	Currently displayed data and subsequent requests for information shall reflect the new or additional information.	30
:1.1.2.3	RECEIVE NOTICE OF STATUS OF ADDAGENT/ BACKUP ACE AUTCHATION EQUIPMENT	3.7.1.1.1.3.3-80	MGNITOR FUNCTION PERFORMANCE AND AVAILABILITY	26
		3.7.1.1.1.3.3-88	If the Reduced Capability Mode cannot be maintuined, all supervisory and operational personnel shall be notified that the system is in the emergency mode and messages shall be sent to adjacent and backup ACCOs and appropriate TCCOs.	25
		3.7.1.2.1.2.10-#0	ATC MAIL	3:
A1.1.2.4	DEFECT ECUIPMENT SERVICE INTERRUPTION/ RESTORATION	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		5.7.1.2.1.1.2-60	FLIGHT DATA DESPLAY	5
		3.7.1.2.1.1.3-00	AERONAUTICAL AND METEGROLOGICAL DATA DISPLAY	3
		3.7.1.2.1.1.5-00	SPECIAL LISTS	
		3.7.1.2.1.1.6-ยย	MESSAGE COMPOSITION AND RESPONSE DISPLAY	
		3.7 1.2.1.1.7-คอ	AIRPORT ENVIRONMENTAL DATA DISPLAY	
		3.7.1.2.1.1.8-ตศ	SYSTEM STATUS DATA DISPLAY	
		3.7.1.2.1.1.10-00	BEATHER DISPLAY	
A1.1.2.5	PECEIVE NOTICE OF COMMUNICATION STATUS	3.7.1.2.1.2.10-110	ATC MAIL	
A1.1.3.1	CEARCH DISPLAY FOR INACTIVE FLIGHT PLAN ON CLEARANCE RECUEST	3.7.1.2.1.1.2-80	FEIGHT DATA DISPLAY	
		3.7.1.2.1.1.7-#1	Inis lonical display shall contain flight information for display tunger the control of the sector, those not yet under the control of the sector, and those of interest to the sector	
		3.7.1.2.1.1.2-02	A subset of this information for one aircraft (flight) shall be displayed as a Flight Data Entry (FDE) in one or more lists within the Flight Data Display.	

Tosk Number	l Tosk Statement	Paragraph Number	Requirement	Page No.
(O.X. IAOMOE)	Tigan C dement	, at agraph name		
A1.1.3.1 (cont'd)	SEARCH DISPLAY FOR INACTIVE FLIGHT PLAN ON CLEARANCE REQUEST	3.7.1.2.1.1.2-ย8	a. Posting - There shall be several types of FDEs, such as en route, departure, terminal arrival, etc.	342
		3,7,1,2,1,1,2-09	a. Posting - The capability shall be provided to display the different types of FDEs in separate lists.	340
		5.7.1.2.1.1.2-13	a. Posting - Other posting lists such os Information, Hold, Release, etc., shall be available as defined in adaptation.	34:0
41.1.3.2	REQUEST FLIGHT DATA READOUT	3.7.1.2.1.1.2-ตีซี	FLIGHT DATA DISPLAY	333
		5.7.1.2.1.1.2-27	A Flight Note Area shall be established to display Flight Plan FDEs.	339
		3.7.1.2.1 1.2-36	In addition to the Flight Dato Area, a Flight Data Readout Area shall be established to display all the flight data on one particular flight that is selected by the controller.	341
		3.7.1.2.1.1.9-20	MESSAGE COMPOSITION AND RESPONSE DISPLAY	358
		3.7.1.2.1.1.6-94	The Response Display shall contain information that is a response to a query made by the controller to the data base such as a flight plan readout, a route readout, weather data readout, or ATU mail message readout.	358
A) 1.3.3	REQUEST FLISHT DATA ENTRY FORMAT CHANGE	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
		3.7.1.2.1.1.2-05	Multiple odoptotion sets shall be provided for controller selection of the format of data to be displayed.	339
		3.7.1.2.1.1.2-34	f. Formatting - A minimum of 10 formats set in adaptation shall be provided for each operational position specified in 3.7.1.2.2.	341
		5.7.1.2.1.1.2-35	f. Formatting - The controller shall be able to select a format for all FDEs, a different format for all FDEs in each separate posting list, and/or a different format for a particular FDE from the formats available at his position.	341
A1.1.4.1	*NTER DEPARTURE/ EN ROUTE TIME MESSAGE	3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	373
		3.7.1.2.1.2.2-10	<ul><li>c. Departure: Flight Identification, (Departure Time), (Assigned Altitude).</li></ul>	374
		3.7.1.2.1.2.2-11	c. Departure: This message shall be used to activate a proposed departure or a proposed airfile flight plan.	374

Task Number	Таук Statement	Panagraph Number	Requirement	Page No.
<del></del>				+
41,3,4,1 (centia)	ENTER DEPARTURES EN ROUTE TIME MESSAGE	5.7.1.2.1.2.2-22	g. Pragress Report: Flight Identification, Fix, (Actual Time at Fix), (Pilot Estimate at Fix), (Next Fix), (Pilot Estimate at Next Fix), (Altitude).	375
		3.7.1.2.1.2.2-23	g. Progress Report: This message shall be used to update the position in time of an active flight plan.	375
41.1.4.2	INITIATE TRACK MANUALLY	5.7.1.1.3.2.2-20	TRACK INITIATION	274
		3.7.1.1.3.2.2~85	The ACCC shall provide the capability of manually initiating a track through controller input even if the reports associated with the target to be tracked consist entirely of primary (search) reports.	274
		3.7.1.2.1.2.1-00	TRACK CONTROL	358
		3.7 1.2.1.2.1-65	b. Track: Flight laentification, Track Action (Coast, Stort, Drop. etc.), (Track Stort Position), (Speed), (Heading), (Assigned Altitude).	353
		3.7.1.2.1.2.1-06	b. Track: This message shall be used to change the tracking status of an aircraft.	368
		3.7.1.2.1.2.1-37	b. Track: The Track message shall be designed to enable the controller to modify the tracking function for a particular aircraft.	353
41,1,4,3	CBCERVE AUTOMATED TRACK START	3.7.1.1.3.2-no	AUTOMATIC TRACKING CAPABILITY	273
		3.7.1.1.3.2-02	All tracks that are initiated shall be designated as unclassified tracks until processed by the Pairing Tracks with Flight Flans function.	273
		3.7.1.1.5.2-03	Tracks that pair with a flight plan shall be designated as paired tracks.	27
		3,7.1.1.3.2-04	Trocks that do not pair with a flight plan shall be designated as unpaired tracks.	27:
		5.7.1.1.3.2-05	The ACCC shall attempt to correlate target data with all tracks.	27:
		5.7.1.1.3.2.2-00	TPACK INITIATION	271
		5.7.1.1.5.2.2-01	a. Except when selected categories of tracks or a tehibited per paragraph 3.7.1.1.3.2.12, the ACCC shall automatically initiate tracks on all Mode S and ATCRBS targets.	27:
		3.7.1.1.3.2.2-02	b. Except in adapted volumes of airspace oround airports, the ACCC shall outamotically initiate tracks on all Mode 5 and ATCRBS targets.	274

Task Number	Task Statement	Paragraph Number	Requirement	No.
Al.1.4.3 'cont'u)	OBSERVE AUTOMATIC TRACK START	3.7.1.1.3.2.2-03	c. Except for targets with valid Mode C dota when the Mode C is above or below adapted altitudes for the ACF (the ACF ceiling plus at least 6700 feet and the ACF floor minus at least 6700 feet), the ACCC shall automatically initiate tracks on all Mode S and ATCRBS targets.	274
		3.7.1.1.3.2.2-86	A controlled track shall also be initiated as a result of a handoff from an adjacent facility.	274
		3.7.1.1.3.2.3-00	PAIRING TRACKS WITH FLIGHT PLAN	275
		3.7.1.1.3.2.3-01	The ACCC snall pair unclassified tracks with flight plan data.	275
		3.7.1.1.3.2.3-02	When a discrate code or Mode S track is automatically initiated, a check shall be made to determine whether a flight plan exists for that track.	275
		3.7.1.1,3.2.5-85	For departures from airports being provided radar angroach control services via the ACCC, the ACCC shall automatically initiate departure processing for the flight when the track auto-initiates and pairs with the flight plan for the flight.	275
41,1,4,4	PECETYE CEPARTUREM EN ROUTE TIME NOTICE	3.7.1.2.1.2.10-60	ATC MAIL	391
41.1.4.5	PEQUEST FLIGHT PLIN EXTRAPOLATION FOR A TRACK	3.7.1.1.3.2.6-00	TRACK DATA UPDATING	276
		3.7.1.1.3.2.6-09	The controller shall also have the capability to force a track into flight plan extrapolation status when the aircraft is not in airspace adapted for track extrapolation.	276
		3.7.1.1.3.3.1.5-00	FLIGHT PLAN POSITION EXTRAPOLATION	284
		5.7.1.1.5.3.1.5-08	The extrapolated flight plan positions shall be made available for display at control positions automatically when the track enters extrapolation status or an demand by the controller (see paragraphs 3.7.1.1.5.2 and 3.7.1.1.6).	284
		3.72.1.2.1-00	TRACK CONTROL	364
		3.7.1.2.1.2.1-45	n. Flight Plan Extrapolation: Flight Identification.	37
		3.7.1.2.1.2.1-46	n. Flight Plan Extrapolation: This message shall be used to put the designated flight into flight plan extrapolation status or to suppress flight plan extrapolation on the flight.	37
A1.1.4.6	OBSERVE EXTRAPOLATED FLIGHT PLAN POSITION ON A TRACK	3.7.1.1.3.2.4-00	DETERMINATION OF TRACK STATUS	275

losk Number	Fase is attitud.	Parliagraph Number	Requirement	Page No.
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	SPSERNO E URSPOLATED PLIGHT PLAN POSITION ON A TRACK	3, 7, 1, 1, 5, 2, 2-35	c. Fracks shall be in flight plan extrapolation status when they enter adapted volumes of airspace and no rawor data correlates with the track.	275
		3.7.1.1.3.2.6=90	TRACK DATA UPDATING	276
		5.7.1.1.5.2.6-11	The position symbol or dota block shall then be uppared and indicate that the track is in flight plan extrapolation status.	276
		3.7.1.1.3.3.1.5-80	FETCHT PLAY POSITION EXTRAPOLATION	284
		3 7.1.1.8.3.1.5-00	The entrapolated flight plan positions shall be made available for display at control positions automatically when the track enters entrapolation status or on demand by the controller (see paragraphs 3.7.1.1.3.2 and 3.7.1.1.6).	284
		5.7.1.2.1.1.1.5-00	TARGET AND TYACK DATA AND SYMBOLOGY	330
		5.7.1.2.1.1.1.3-20	(not) position symbols shall be placed at the target report position if a target report correlated during the most recent radar star; otherwise, the track position symbol shall be as the predicted track position.	331
		3.7 1.2.1.1.1.3-29	a. Throw status shall be coded within the track position symbol, leader line, or FDB and shall denote when a track is in const. neld, flight plan extrapolation, or out of association with its paired flight plan.	33.
A1.1.5.1	EVALUATE CONDITIONS FOR PROVIDING FULSHIT FOULGHING	\$.7.1.2.1.1,1-00	SITUATION DISPLAY	32:
		3.7.1.2.1.1.2-00	FLIGHT CATA DISPLAY	331
		3.7.1.2.1.1.14-00	SECTOR WORKLOAD DISPLAY	35
A1.1.5.2	PECETHE PEQUECT FOR FLIGHT	3.7.1.2.1.2.10-00	ATC MAIL	30
A1.1.5.3	DENV FILISHT FOLKCHING REQUEST	3.7.1.2.1.2.10-00	ATC MAIL	33
\$1.7.5.4	PEGNEST/ ASSIVA BEACON CODE TO ATROPACT	3.7. (.1.3.5.1.6/88	BEACON CODE ASSIGNMENT	28
		5.7.1.1.5.3.1.6-11	The controller shall be able to request a discrete code be assigned to a flight plan from one specific adapted subset or from an adapted contiguous set of codes in a subset.	23
		3.7.1.2.1.2.2-ຄນ	FLIGHT DATA CHANGES	37
		3.7.1.2.1.2.2-12	d. Discrete Code Request/Assignment: Flight Identification, (Beacon Code), (Code Subset Designator).	37

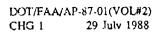
Task Number	Tosk Statement	Panagraph Number	Requirement	Page No.
41.1.5.4 (cont'd)	REQUEST, ASSIGN BEACON CODE TO FIRCHAFT	3.7.1.2.1.2.2-13	d. Discrete Code Request/Assignment: This message shall be used to request the ACCC to assign or change a discrete beacon code for a flight.	374
		3.7.1.2.1.2.2-14	d. Discrete Code Request/Assignment: The controller shall be able to assign a specific code, or have the system pick the code from a controller selected code subset or from a contiguous set of codes in a subset.	374
47.1.6.1	OFFSET A DATA BLOCK	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	330
		3.7.1.2.1.1.1.5-85	A leader shall be aisplayed from the track position symbol to the Callsign in the displayed Full Data Block.	335
		3.7.1.2.1.1.1.3-84	The direction and length of the leader for each data block shall be determined by one of two controller-selectable ways, automatic or manual data block offset.	335
		3.7.1.2.1.1.1.3-87	The controller shall be able to override automatic offsetting for the whole display or for each data black individually.	335
		3.7.1.2.1 1.1.3-88	The controller shall then be able to adjust the leader length and the leader direction of each Dato Block manually.	335
		3.7,1,2.1,1,1,3-89	Leader length and direction shall be separately adjustable for LDBs, FDBs, and PDBs.	335
		3.7.1.2.1.1.1.3-94	The leader shall be displayed from the track position symbol to the top line in the PCB.	336
		5.7.1.2.1.1.3-95	The length and direction of the leader shall be initially set in adoptation and be controller adjustable.	356
		3.7.1.2.1.1.1.3.0-01	The leager shall be displayed from the target symbol to the top line in the LDB.	336
		3.7.1.2.1.1.1 3.0-02	The length and direction of the leader shall be initially set in adaptation and be controller adjustable.	336
A1.1.6.2	UPDATE/ REVISE CONTROLLER NOTE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	523
		3.7.1.2.1.1.1.14-00	GEOGRAPHIC TAGGING	33e
		3.7.1.2.1.1.1.14-112	The capability shall be provided for the controller to enter a string of alphanumerics starting at any geographic point designated by the CPSD or controller entered fix.	338

Task Number	Tusk Statement	Paragroph Number	Requirement	<sup>3</sup> 538 No.
.1,1.5.2	SPOATEZ REZISE CONTROLLER NOTE	3.7.1.2.1.1.19-00	CONTROLLER NOTEPAD DISPLAY	353
cont'd)		3,7,1,2,1,1,;8-@1	The logical display shall contain controller-entered free-form text notes which have no 'semantic level' meaning to the system, but rather are treated as a string of undifferentiated characters.	363
		3.7.1.2.1.1.18-02	The capability shall be provided to quickly and easily edit or modify the contents of these notes.	35
1.1.6.3	CELETE FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM AID SYSTEM	3.7.1.2.1.2.2-ðØ	FLIGHT DATA CHANGES	37
		3.7.1.2.1.2.2-30	j. Drop Flight Plan: Flight Identification.	37
		3.7.1.2.1.2.2-31	j. Orap Flight Plan: This message shall be used to delete from the system all flight data for an IFR or VFR flight plan and downgrade the paired track, if any, to an unpaired track.	37
a1.1.5.4	CELETE FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM LOCAL ACCC SYSTEM	3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	37
		3,7.1.2.1.2.2-08	b. Orop Flight Plan Internal: Flight Identification.	5
		3.7.1.2.1.2.2-09	b. Drop Flight Plan Internal: This message shall be used to delete all flight data for an IFR or VFR flight plan from the internal ACCC but will not transmit this delete to any other facility.	3
1.1.6.5	SUPPRESS DISPLAY OF FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM ALL DISPLAYS IN OWN SECTOR SUITE	3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	3
		3.7.1.2.1.2.2-58	w. Suppress/Restore Full Data Block and Flight Data Entry: Flight Identification.	} :
		3.7.1.2.1.2.2-59	w. Suppress/Restore Full Data Block and Flight Data Entry: This message shall be used to suppress/restore the display of a Full Data Block and associated Flight Data Entry from all displays in this Sector Suite.	
A1.1.6.6	RESTORE DISPLAY OF FLISHT DATA ENTRY AND FULL DATA BLOCK TO ALL DISPLAYS ON OWN SECTOR SUITE	3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	
		3.7.1.2.1.2.2-58	w. Suppress/Restore Full Data Block and Flight Data Entry: Flight Identification.	

fask Number	Task Statement	Panagraph Number	Requirement	Page No.
A1.1.5.6 :cont'd)	RESTORE DISPLAY OF FLIGHT DATA ENTRY AND FULL DATA BLOCK TO ALL DISPLAYS ON DWN SECTOR SUITE	3.7.1.2.1.2.2-59	w. Suppress/Restore Full Data Block and Flight Data Entry: This message shall be used to suppress/restore the display of a Full Data Block and associated Flight Data	378
A1.1.5.7	SUPPRESS DATA BLOCK FROM ALL DISPLAYS IN CHA SECTOR SUITE	3.7.1.2.1.1.1-80	Entry from all displays in this Sector Suite.  SITUATION DISPLAY	325
		3.7.1.2. (.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	330
i		5.7.1.2.1 1.1.3-79	The controller shall have the capability to suppress the display of individual FOBs and restore the display of a suppressed FDB.	335
		3.7.1 2.1.1.1.3-96	The controller small have the capability to request/suppress the display of individual PDGs.	336
		3.7.1.2.1.1.1.3.0-05	The controller shall have the copobility to suppress the display of individual LGBs and restore the display of a suppressed LOB.	336
A1.1.6.8	RESTORE DATA BLOCK TO FUL CISPLAYS IN DWN SECTOR SUITE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		5.7.1.2.1.1.1.3-Ng	TARGET AND TRACK DATA AND SYMBOLOGY	330
		3.7.1.2.1.1.1.3-74	dd. Some of the conditions that shall result in disalay of a FDB for a track are: Full Data Block has been requested for this track by controller input.	335
		3.7.1.2.1.1.1.3-79	The controller shall have the copobility to suppress the display of individual FDEs and restore the display of a suppressed FDE.	335
		3.7.1.2.1.1.1.3-96	The controller sholl have the capability to request/suppress the display of individual POBs.	336
		3.7.1.2.1.1.1.3.0-05	The controller shall have the capability to suppress the assplay of individual LDBs and restore the display of a suppressed LDB.	336
		3.7.1.2.1.1.1.3.0-08	ea. The controller shall have the capability to display LDBs according to the following controller selected LOB filters; altitude limits.	336
		3.7.1.2.1.1.1.3.0-09	eb. The controller shall have the comobility to display LDBs according to the following controller selected LDB filters: beacon code limits.	336
		3,7,1,2,1,1,1,3,0-10	ec. The controller shall have the capability to display LDBs according to the following controller selected LDB filters: geographic area within the selected geographic area of concern.	336

	Task t	to Requirement Tracea	bility Matrix	Page
Task Number	Task Statement	Paragraph Number	Requirement	No
A1.1.6.9	SUPPRESS FLIGHT CATA ENTRY FROM ALL DISPLAYS IN GWN SECTOR SUITE	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	33:
		3.7.1.2.1.1.2-30	d. Suppression - FDEs shall be automotically suppressed from one or more lists as a result of the selection by the controller of a suppress FDE action or expiration of an adaptable time after accept handoff is received from an adjacent sector or facility.	34
		3.7.1.2.1.1.2-31	d. Suppression - An optional manual acknowledgement mode shall be provided to override automatic suppressions.	34
41.1.6.10	RESTORE FLIGHT DATA ENTRY TO ALL DISPLAYS IN CHA SECTOR SUITE	5.7.1.2.1.1.2-20	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1.2-14	a. Posting - The controller shall have the capability to move FDCs into and out of these special lists and other types of posting lists including those of other sectors.	3.
		3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	3.
		3.7.1.2.1.2.2-42	<pre>p. Request FDEs: (Sector Number and/or Facility), (Fosting List Header), (Flight Identification(s)).</pre>	3
		3.7.1.2.1.2.2-43	p. Request FDEs: This message shall enable the controller to request one or more FDEs from another sector and/or facility to be displayed in the Flight Data Area of the requesting sector.	3
41.1.6.11	ENTER FDE NOTATIONS	3.7.1.2.1.1.2.1-66	FLIGHT DATA FIELDS	3
		3.7.1.2.1.1.2.1-09	The capability shall be provided to display/delete FDE motations (FDENs) in specified fields of FDEs.	3
	• •	3.7.1.2.1.1.2.1-13	In addition, the capability shall be provided for the controller to display any FDEN through controller FDEN entry.	
		3.7.1.2.1.1.2.1-28	d. EDENs indicating that radar contact has been lost or radar service has been terminated shall be displayed upon controller FDEN entry.	
		3.7.1.2.1.1 2.1-32	f. The following FDEN cotegories shall be provided: FDENs associated with the noute data field shall uniquely denote radar vector heading and/or direct route clearances, DME arc, and radius clearances.	
:		3.7.1.2.1.1.2.1-33	f. These FOENs shall be displayed upon controller FDEN entry.	
				ĺ

Task Number	Task Statement	Paragraph Number	Requirement	Pagi No
(1.1.6.11 (cont 'd)	ENTER FOE NOTATIONS	3.7.1.2.1.1.2.1-44	h. An FDEN indicating on assigned altitude has been verified or a fix crossing time has been issued, shall be aisplayed upon controller FDEN entry.	34
		3.7.1.2.1.1.2.1-45	h. FDEN(s) indicating an altitude restriction(s) shall be generated when the controller inputs an altitude restriction message and shall be displayed at the entering position and all positions along the trajectory up to and including the sector in which the altitude restriction applies.	34
		5.7.1.2.1.1.2.1-08	h. Unon controller FOEN entry, this FDEN shall denote that the wrong altitude for direction of flight has been approved with the next sector.	34
		3.7.1.2.1.1.2.1-52	i. An FDEN indicating a controller request for a pilot to report reaching or leaving in altitude and an FDEN indicating pilot reported altitude other than assigned shall be displayed upon controller FDEN entry.	34
		3.7.1.2.1.1.2.1-53	<ol> <li>An FCEN indicating that an altitude has been reached or vacated shall be generated when the controller inputs a reported altitude message indicating this condition.</li> </ol>	3.4
		3.7.1.2.1.1.2.1-54	j. The following FDEN categories shall be provided: FDENs shall indicate a record(s) of clearances and instructions which have been delivered.	34
		3.7.1.2.1.1.2.1-57	j. These FDENs shall be aisplayed upon controller FDEN entry.	3-
		3.7.1.2.1.1.2.1-58	k. The following FDEN categories shall be provided: An FDEN shall denote a controller assigned speed restriction.	3
		3.7.1.2.1.1.2.1-59	k. This FDEN shall be generated upon controller FDEN entry and shall be automatically trunsferred and displayed at the next sector when a handoff is initiated.	3
		3.7.1.2.1.1.2.1-60	1. The following FDEN categories shall be provided: An FDEN associated with the next fix data field shall indicate when the next fix entered in a progress report is not on the assigned route.	3
		3.7.1.2.1.1.2.1-53	m. This FDEN shall be generated when a hold message is entered by the controller.	3
		3.7.1.2.1.1.2.1-65	n. The following FDEN cotegories shall be provided: An FDEN shall indicate to the controller that future action is required with respect to the field tagged with this FDEN.	-
		3.7.1.2.1.1.2.1-66	n. This FDEN shall be displayed upon controller FDEN entry.	



Task Number	Task Statement	Panagnaph Number	Requirement	≥ag No
Nt.1.6.11 (cont'e)	ENTER FOE NOTATIONS	3.7.1.2.1.1.2.1-67	o. The following FDEN categories shall be provided: An FDEN shall denote that a flight has been changed to the next frequency and shall include, at the controller's option, the new frequency and the frequency time change.	34
		3.7.1.2.1.1.2.1-69	o. This FDEN shall be displayed upon controller FDEN entry.	34
		3.7.1.2.1.1.2.1-09	p. The following FDEN categories shall be provided: FDENs shall uniquely indicate that VFR flight following, Stage II. TCA, TRSA, or ARSA service is being provided to an aircraft.	34
		3.7.1.2.1.1.2.1-70	p. These FDENs shall be displayed upon controller FDEN entry.	50
		3.7.1.2.1.1.2.1-71	a. The following FDEN categories shall be provided: An FDEN shall denote the cancellation of an IFR flight plan.	3:
		3.7.1.2.1.1.2 1-72 q. This FDEN shall be displo controller FDEN entry.	q. This FCEN shall be displayed upon controller FDEN entry.	3
	3.7.1.2.1.1.2.1-73	5.7.1.2.1.1.2.1-73	r. The following FOEN categories shall be provided: An FOEN shall uniquely denote arrival time are clearance void time.	
		3.7.1.2.1.1.2.1-74	n. These FOENs shall be aksplayed upon controller FOEN entry.	1
		3.7.1.2.1.1.2.1-75	s. The following FDEN cotegories shall be provided: FDENs associated with the Posted Fix field shall uniquely denote the pilot estimate at this fix and the actual time at this fix.	1
		3.7.1.2.1.1.2.1-76	s. These FDENs shall be automatically generated and displayed when the controller inputs a progress report which contains these coordination times.	
		3.7.1.2.1.1.2.1-76	t. The following FDEN categories shall be provided: An FDEN associated with the Next Fix field shall denote the pilot estimate for the next fix.	
	3.7.1.2.1,1.2,1-79	t. This FDEN shall be outomatically generated and displayed when the controller inputs a progress report which contains this coordination time.		
	3.7.1.2.1.2.1 do 3.7.1.2.1.2.1-70	3.7.1.2.1.2.1.00	TRAUK CONTROL	
		3.7.1.2.1.2.1-78	u. Radar Contoct: This message shall be used to identify that a flight is increder contact or radar contact for radar contact has been lost or terminated.	
		3.7.1.2.1.2.2-80	FLIGHT DATA CHANGES	1

Tusk Number		o Requirement Traceat	Requirement	Page No.
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41,1,6,11 cont'd)	ENTER FUS MOTATIONS	3.7.1.2.1.2.2:30	f. Hold: The option shall be provided to enter holding instructions, namely hold direction, turns, leg lengths, and time entering and time leaving hold.	375
		3.7.1.2.1.2.2-21	f. Hold: These holding instructions shall be processed only for the display of FDENs.	375
		3.7.1.2.1.2.2-23	g. Progress Report: This message shall be used to update the position in time of an active flight plan.	375
		3.7.1.2.1.2.2-26	n. Reported Altitude: In addition, the option shall be provided to denote that the reported altitude is a report reaching, a report leaving, or other than assigned altitude.	375
		5.7.1 2.1.2.2-27	n. Reported Altitude: These optional fields shall be processed only for the display of FDENs.	375
		3.7.1.2.1.2.2-57	/ Altitude Restriction Message: This message shall be used for processing controller reminders and for the display of FDENs.	378
±1.1 <b>5.</b> 12	DELETE FOE NOTATIONS	3.7.1.2.1.1.2.1-00	FLIGHT DATA FIELDS	341
		5.7.1.2.1.1.2.1- <b>J</b> 3	The canability shall be provided to display/delete FDE notations (FDENs) in specified fields of FDEs.	342
		3.7.1.2.1.1.2.1-15	Unless otherwise noted, FDENs shall be displayed only at the operational position which has control of the track and shall be automatically deleted when the condition which generated the FDEN no longer exists, or upon controller deletion.	342
41.1.6.13	RESEQUENCE FLIGHT DATA ENTRY	3.7.1.2.1,1.2-00	FLIGHT DATA DISPLAY	339
		3.7.1.2.1.1.2-16	<ul> <li>b. Ordering - Flight Data Entries shall be ordered either automatically or manually under controller command.</li> </ul>	340
		3.7.1.2.1.1.2-20	b. Undering - In manual ordering, the controller shall have the copobility to put a new FOE in the appropriate place in a list and to move FDEs with respect to one another.	341)
41,1 6,14	SELETE CONTROLLER NUTE	3.7. (-2.1.1.1-60	SITUATION DISPLAY	323
		5.7.1.2.1.1.1.14-30	GEOGRAPHIC TAGGING	338
		3,7,7,2,1,1,1,10-82	The coponility shall be provided for the controller to enter a string of alphanumerics starting at any geographic maint designated by the CPSD or controller entered fix.	338

Task Number	Tusk Stutement	Paragraph Number	Requirement	Po ji No
41.1.8.14 (contid)	DELETE CONTROLLER NOTE	3.7.1.2.1.1.16-20	CONTROLLER NOTEPAD DISPLAY	36
		3.7.1.2.1.1.18-01	The logical display shall contain controller-entered free-form text notes which have no 'semantic level' meaning to the system, but rather are treated as a string of undifferentiated characters.	36
		3.7.1.2.1.1.18-04	These notes shall only be displayed at the entering position and shall remain in the logical display until the controller takes action to delete them.	36
41.1.6.15	DELETE SCRATCH PAD DATA IN FULL DATA BLOCK	3.7.1.2.1.1.1-00	SITUATION DISPLAY	32
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.1.3-46	The information conveved in the track position symbol and FDB shall be adoptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Filot Reported Altitude, Hangoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33
		3.7.1.2.1.1.1.3-55	the Scretch Pad Data shall be entered by the controller and shall consist of up to three characters of information.	3
A1.2.1.3	CETECT AIRCRAFT CONFLICT ALERT INDICATION	3.7.1.1.3.5-00	SEPARATION ASSURANCE CAPABILITY	2
		5 7.1.1.3.5÷01	a. The ACCC shall aid the controllers: In the detection of short-term aircraft-track-t o-dircraft-track separation violations when at least one of the two aircraft is controlled.	2
		5.7.1.1.3.5.1-20	CONFLICT ALERT	
		3.7.1.1.3.5.1-22	The ACCC shall initiate alerts to appropriate control positions and alert subsequent processing functions when current or predicted conflicts are detected.	
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	
		3.7.1.2.1.1.3-48	bd. The conflict alert indicator shall denote when a conflict alert has been calculated for an aircraft.	
		3.7.1.2.1.1.1.3-58	cb. The following emergency and alert conditions shall be coded in the FOB: Conflict Alert.	
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Task Number	Task Statement	Par agriaph Number	Requirement	No.
A1.2.1.1 (cont/d)	DETECT AIRCRAFT CONFLICT ALERT INDICATION	3.7.1.2.1.1.1.3-75	de. Some of the conditions that shall result in display of a FDB for a track are: Aircraft is in conflict with another track that is being presented in Full Data Block format at this sector.	335
		3.7.1.2.1.1.2.1-80	FLIGHT DATA FIELDS	341
		3.7.1.2.1.1.2.1-19	b. The following FOEN cotegories shall be provided: FDENS shall uniquely denote conflict alert and minimum safe altitude warning.	342
		3.7.1.2.1.1.2.1-20	b. These FDENs shall be automatically generated and displayed.	342
		3.7.1.2.1.1.2.1-21	c. The following FOEN categories shall be grovided: FDENs shall uniquely denote priority and advisory alerts that have been generated for a Flight Plan due to the detection of an aircraft to aircraft ana/or aircraft to airspace conflict.	342
		3.7.1.2.1.1.2.1-22	c. The_e FDENs shall be automatically generated and displayed at the sector for which the conflict is predicted to occur.	342
		3.7.1.2.1.1.2.1-23	c. An FDE shall be forced for display if it is not already being displayed at that sector.	342
		3.7.1.2.1.1.4-90	ALERT AND RESOLUTION DISPLAY	352
		3.2.1.2.1.1.4-82	a. The following are the general categories of alerts: Conflict of an aircraft with another aircraft or minimum safe altitudes.	352
		3.7.1.2.1.1.4~06	Conflict Alerts and Minimum Safe Altitude blannings shall be displayed in the Alert and Resolution Display in a list with the collsign, alert type and condition, and computer generated Conflict Resolution Advisory.	352
A1.2.1.5	FORMARD NOTICE OF AIRCRAFT CONFLICT TO SUPERVISOR	3.7.1.2.1.2.10-00	ATC MA;L	391
A1.2.1.6	CHOOSE CONFLICT RESOLUTION OPTION	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1.1.1.9-80	CONFLICE RESOLUTION AND MSAH ADVISORIES	338
		3.7.1.2.1.1.1.9-01	The Situation Display shall contain conflict and MSAH resolution advisories.	339
		3.7.1.2.1.1.1.9-03	Up to four controller selectable conflict resolution options shall be displayed for each Conflict Alent, and Trock/Airspace Conflict if available from the CRA MSAN function.	338

Task Number	Tosk Stotement	Panagnaph Number	Requirement	Page No.
A1.2.1.5 {cont'a)	CHOOSE CONFLICT RESCLUTION	5.7.1.2.1.1.1.9-04	The options shall be displayed and updated every (parameter) seconds until the conflict has been resolved.	338
		3.7,1.2.1,1.4-90	ALERI AND RESOLUTION DISPLAY	352
		3.7.7.2.1.1.4-01	This logical display shall contain information on alert conditions detected by the ACCC or input by a controller, and information for resolving the alert condition.	352
		3.7.1.2.1.1.4-08	Conflict Alerts and Minimum Sofe Altitude Uarnings shall be displayed in the Alert and Resolution Display in a list with the collsign, alert type and condition, and computer generated Conflict Resolution Advisory.	352
		5.7.1.2.1.1.4-09	The olert entries in the list shall remain displayed until the olert condition no longer exists or the controller suppresses the alert from the display.	352
41.2.1.7	REVIEW POTENTIAL CONFLICT SITUATION FOR RESOLUTION	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
	STROATION FOR RESOLUTION	3.7.1.2.1.1 1.9-00	CONFLICT RESOLUTION AND MSAW ADVISORIES	338
		3.7.1.2.1.1.1.9-01	The Situation Display shall contain conflict onu MSAW resolution odvisories.	330
		5.7.1.2.1.1.1.9-03	Up to four controller selectable conflict resolution aptions shall be displayed for each Conflict Alert, and Track/Airspace Conflict if available from the CRA MSAW function.	338
		3.7.1.2.1.1.1.9-04	The options shall be displayed and updated every (parameter) seconds until the conflict has been resolved.	338
		3.7.1.2.1.1.1.9-05	The options shall consider aircraft characteristics, if known, and no mul controller and pilot reaction time.	338
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
		3.7.1.2.1.1.4-00	ALERT AND RESOLUTION DISPLAY	353
		5.7.1.2.1.1.a-08	Conflict Alerts and Minimum Safe Altitude Samplings shall be displayed in the Alert and Resolution Display in a list with the collsign, alert type and condition, and commuter generated Conflict Resolution Advisory.	352
		3.7.1.2.1.1.4-09	The olert entries in the list shall remain displayed until the alert condition no longer exists on the controller suppresses the alert from the display.	35.

DETERMINE APPROPRIATE ACTION TO RESCUVE AIRCRAFT CONFLICT SITUATION	3.7.1.2.1.1.1-ชีชี	SITUATION DISPLAY	323
	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
	3.7.1.2.1.1.4-00	ALERT AND RESOLUTION DISPLAY	352
PERCEINE POTENTIPE AIRCRAFT CONFEICT SITUATION	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
	3.7.1.2.1.1.2-00	FLIGHT DAYA DISPLAY	339
SETECT MSAW INDICATION OR ALARM	3.7.1.1.3.5.2-00	MINIMUM SAFE ALTITUDE WARNING	295
	3.7.1.1.3.5.2-01	The ACCC shall provide the capability of detecting conflicts between an aircraft's projected flight path and the location of adapted airspace regions.	295
	3.7.1.1.3.5.2-64	Upon detection of current or imminent violations of such airspace regions within the look-ahead time period, bural and visual alerts shall be provided to the appropriate control room personnel.	295
	3.7.1.1.3.5.2-17	The ACCC shall initiate alerts to appropriate control positions and alert subsequent processing functions when current or predicted conflicts are detected.	296
	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
	3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	330
	5.7.1.2.1.1.3-49	be. The minimum sofe altitude worning indicator shall denote when an MSAW alert has been calculated for an aircraft.	333
	3.7.1.2.1.1.1.3-59	cc. The following emergency and alert conditions shall be coded in the FCO: Minimum Safe Altitude Warning.	334
	3.7.1.2.1.1.2.1-00	FLIGHT DATA FIELDS	341
	3.7.1.2.1.1.2.1-19	h. The following FDEN categories shall be provided: FDENs shall uniquely denote conflict alent and minimum safe altitude warning.	342
	3.7.1.2.1.1.2.1-20	b. These FDENs shall be automotically generated and displayed.	542
	3.7.1.2.1.1.2.1-21	c. The following FDEN categories shall be provided: FDENs shall uniquely denote priority and advisory alerts that have been generated for a Fright Plan due to the detection of an aircraft to aircraft und/or aircraft to aircraft to aircraft.	347
	PERCEINE POTENTIAL AIRCRAFT CONFLICT SITUATION CETECT MS4W INDICATION GR	3.7.1.2.1.1.2-00 3.7.1.2.1.1.4-00 3.7.1.2.1.1.1-00 3.7.1.2.1.1.1-00 3.7.1.2.1.1.2-00 3.7.1.2.1.1.2-00 3.7.1.2.1.1.2-00 3.7.1.1.3.5.2-01 3.7.1.1.3.5.2-01 3.7.1.1.3.5.2-01 3.7.1.2.1.1.1.3-00 3.7.1.2.1.1.1.3-00 3.7.1.2.1.1.1.3-00 3.7.1.2.1.1.1.3-19 3.7.1.2.1.1.1.3-19 3.7.1.2.1.1.2.1-10 3.7.1.2.1.1.2.1-10 3.7.1.2.1.1.2.1-10	FLIGHT DATA DISPLAY  3.7.1.2.1.1.4-80  3.7.1.2.1.1.4-80  3.7.1.2.1.1.4-80  3.7.1.2.1.1.1-80  SITUATION DISPLAY  5.7.1.2.1.1.1-80  FLIGHT DATA DISPLAY  5.7.1.2.1.1.2-80  FLIGHT DATA DISPLAY  5.7.1.2.1.1.3.5.2-80  MINIMUM SAFE ALTITUDE HARNING  1.7.1.1.3.5.2-81  The ACCC sholl provide the copobility of detecting conflicts between on aircroft's projected flight point and the location of supplead Outsplead

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Tosk Number	Fusk Statement	Panagnaph Number	Requirement	No
N1.2.2.1 (cont'd)	DETECT MSAH INDICATION OR ALARM	3.7.1.2.1.1.2.1-22	c. These FDENs shall be automatically generated and displayed at the sector for which the conflict is predicted to occur.	34
		3.7.1.2.1.2.1-23	c. An FDC shall be forced for display if it is not already being displayed at that sector.	34
		3.7.1.2.1.1.4-00	ALERT AND RESOLUTION DISPLAY	35
		3.7.1.2.1.1.4-02	a. The following are the general categories of alerts: Conflict of an aircraft with another aircraft or minimum sofe altitudes.	35
		3.7.1.2.1.1.4-08	Conflict Alerts and Minimum Safe Altitude Warnings shall be displayed in the Alert and Resolution Display in a list with the callsign, alert type and condition, and computer generated Conflict Resolution Advisory.	35
41.2.2.2	FORWARD MOTICE OF VALID MSWU OR FLIGHT ASSIST TO SUPERVISOR	3.7.1.2.1.2.10-00	ATC MAIL	3
11.2.2.5	PERCEIVE POTENTIAL LOW ALTITUDE SITUATION	3.7.1.2.1.1.1-00	SITUATION DISPLAY	5
		5.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	3
		3.7.1.2.1.1.1.2-03	These categories shall include, but not be limited to, several groups of fizes, several groups of armore, sector bomnounies grouped by cititude, special use airspace boundaries, airports, obstructions, fixes, minimum vector aititudes (MVA), military routes, holding pattern (See SLS).	3
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	3
A1.2 2.7	DETERMINE APPROPRIATE ACTION TO RESCLYE LOW ALTITUDE SITUATION	3.7.1.2.1.1.1-ฮย	SITUATION DISPLAY	3
		3.7.1.2.1.1.2-ຄູນ	FLIGHT DATA DISPLAY	1 2
		3.7.1.2.1.1.4-00	ALERT AND RESOLUTION DISPLAY	
41.2.3.3	REQUEST RELEASE OF SPECIAL USE ALROPACE	3.7.1.2.1.2.10-00	ATC MAIL	1
A1.2.3.4	RECEIVE DENIAL OF USE OF SPECIAL USE ATRISPACE	5.7.1.2.1.2.10-00	ATC MAIL	3
A1.2.3.5	RECEIVE APPROVAL FOR USE OF SPECIAL USE ATRISPACE	3.7.1.2.1.2.10-00	ATC MAIL	] 3
A1.2.3.7	PERCEIVE POTENTIAL AIRSPACE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	
		3.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	

Tosk Number	Task Stutement	Paragraph Number	Requirement	No No
41.2.3.7 (cont'd)	PERCEIVE POTENTIAL AIRSPACE CONFLICT SITUATION	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
41.2.3.8	DETERMINE APPROPRIATE ACTION TO RESOLVE AIRSPACE CONFLICT SITUATION	3.7.1.2.1,1.1-00	SITUATION DISPLAY	32.
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	53
	:	3.7.1.2.1.1.4-00	ALERT AND RESOLUTION DISPLAY	35
11.2.4.1	OBSERVE DISPLAY FOR FIXED OBSTRUCTIONS THAT MAY INTERFERE WITH AIRCRAFT FLIGHT	3.7.1.2.1.1.1-00	SITUATION DISPLAY	32
		3.7.1.2.1.1.1.2-00	SESGRAPHIC MAP DATA	32
		5.7.1.2.1.1.1.3-₩0	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	33
31.2.4.2	EVALUATE CONFLICT RESOLUTION ADVISORY APPROPRIATENESS FOR PILST/ ROUTE/ ALTITUDE/ DEATHER	3.7.1.1.3.5-00	SEPARATION ASSURANCE CAPABIL!IY	?5
		5.7.1.1.3.5-03	c. The ACCC shall did the controllers: In the resolution of conflicts detected by the Conflict Alert and MSAW functions.	2:
		3.7.1.1.3.5.3-00	CONFLICT RESOLUTION ADVISORY FUNCTION	2
		3.7.1.1.5.5.3-01	The ACCC shall suggest resolutions of tactical (short-term) situations in a manner that ensures edequate aircraft separation and minimal disruption of system operation.	2
		3.7.1.1.5.5.3-02	The ACCC shall determine corrective action requires to provide for track conflict resolution and terrain avoidance by recommending a set of resolution alternatives (managers) that will event the conflict.	2
		3.7.1.1.3.5.3-03	The resolution alternatives shall be determined from a defined set of rules and a occadures related to the characteristics of each predicted conflict and the characteristics of the aircraft involved in the conflict.	2
		3.7.1.1.3.5.3-04	The ACCC shall notify the appropriate controllers of the resolution alternatives.	2
		3.7.1.1.3.5.3-05	The ACCC shall generate feasible olternatives for the resolution of conflicts identified by the Conflict Alert and MSAW functions and display them to controllers.	7

Task Number	Tosk Statement	Panagraph Number	Requirement	Poge No.
A1.2.4.2	EYALUATE CONFLICT RESOLUTION ADVISORY APPROFRIATENESS FOR PILOTY ROUTEY ALTITUDE? SHEATHER	3.7.1.1.3.5.5-06	The ACCC shall provide at least one resolution advisory for all displayed CA or MSAW alerts, even for those involving pop-ups, those for which no resolution maneuver that can guarantee standard separation among all discraft involved is found, or those multiple conflicts involving (See SLS).	297
		3.7.1.2.1.1.1-00	STTUATION DISPLAY	323
		3.7.1.2.1.1.9-00	CONFLICT RESOLUTION AND MSAW ADVISORIES	338
		5.7.1.2.1.1.1.9-01	The Situation Display shall contain conflict and MSAH resolution advisories.	338
		3.7.1.2.1.1.1.9-03	Up to four controller selectable conflict resolution options shall be displayed for each Conflict Alert, and Track/Airspace Conflict if available from the CRA MSAU function.	338
		3.7.1.2.1.1.1.9 <b>-3</b> 4	The options shall be displayed and updated every (parameter) seconds until the conflict has been resolved.	338
		3.7.1.2.1.1.1.9-05	The options shall consider aircraft characteristics, if known, and normal controller and pilot reaction time.	336
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
		3.7.1,2.1.1.4-00	ALERY AND RESOLUTION DISPLAY	352
		3.7.1.2.1.1.4-28	Conflict Alerts and Minimum Sofe Altitude Warnings shall be displayed in the Alert and Resolution Display in a list with the callsign, alert type and condition, and computer generated Conflict Resolution Advisory.	352
		3.7.1.2.1.1.10-คท	HEATHER DISPLAY	36
A1,2,4,4	DETECT AFRORAGE MANEUVER IN PESPONSE TO ADVISORY/ ALERT	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	336
21.2.4.11	EVALUATE MODEL RESOLUTION ACCUSORY IN RELATION TO AIRCRAFT TYPE, PILOT'S INTENTIONS	3.7.1.1.3.5-00	SEPARATION ASSURANCE CAPABILITY	293
		3.7.1.1.3.5-02	o. The ACCC shall aid the controllers: In ensuring that Mode C transponder-equipped controlled aircraft avoid adapted airspace and termain volumes.	29:
		3.7.1.1.3.5-03	c. The ACCC shall aid the controllers: In the resolution of conflicts detected by the Conflict Alert and MSAW functions.	29:

Task Number	Tosk Statement	Paragraph Number	Requirement	Pag No
TOSK HUMBEI	TOSK Statement	7 di agi agii Nomes	nequirement	+ 110
Ai.2.+.11 (cont'u)	EVALUATE MSAW RESOLUTION AUVISORY IN RELATION TO AIRCRAFT TYPEZ PILOTYS INTENTIONS	3.7.1.1.3,5.3-00	CONFLICE RESOLUTION ADVISORY FUNCTION	29
		3.7.1.1.3.5.3-81	The ACCC shall suggest resolutions of tactical (short-term) situations in a manner that ensures adequate aircraft separation and minimal disruption of system operation.	29
		5.7.1.1.3.5.3-J2	The ACCC shall determine corrective action required to provide for track conflict resolution and terrain avaiance by recommending a set of resolution alternatives (maneuvers) that will avert the conflict.	29
		5.7.1.1.5.5.3-03	The resolution alternatives shall be determined from a defined set of rules and procedures related to the characteristics of each predicted conflict and the characteristics of the aircraft involved in the conflict.	29
		3.7.1.1.3.5.3-04	The ACCC shall notify the appropriate controllers of the resolution alternatives.	29
	3.7.1.1.3.5.3-05	The ACCC shall generate feasible alternatives for the resolution of conflicts identified by the Conflict Alert and MSAN functions and aisplay them to controllers.	2:	
		\$.7.1.1.3.5.3-06	The ACCC shall provide at least one resolution advisory for all displayed CA or MSAW alerts, even for those involving pop-ups, those for which no resolution maneuver that can guarantee standard separation among all aircraft involved is found, or those multiple conflicts involving (See SLS).	2
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	1
		3.7.1.2.1.1.1.9-พา	CONFLICT RESOLUTION AND MSAN ADVISORIES	1
		3.7.1.2.1.1.1.9-01	The Situation Display shall contain conflict and MSAW resolution advisories.	
	3.7.1.2.1.1.1.9-03	Up to four controller selectuale conflict resolution options shall be displayed for each Conflict Alert, and Track/Airspace Conflict if available from the CRA MSAW function.		
	3.7.1.2.1.1.1.9-04	The options shall be displayed and updated every (parameter) seconds until the conflict has been resolved.		
		3,7,1,2,1,1,1,9-05	The uptions shall consider aircraft characteristics, if known, and normal cuntroller und pilot reaction time.	

Tosk Number	Tusk Statement	Paragruph Number	Requirement,	Page No.
A1.2.4.11 (cont'a)	EVALUATE MSAH RESCLUTION ADVISORY IN RELATION TO AIRCRAFT TYPE/ PILUT'S INTENTIONS	3.7.1.2.1.1.4-00	ALERT AND RESOLUTION DISPLAY	352
		3.7.1.2.1.1.4-08	Conflict Alerts and Minimum Safe Altitude Marnings shall be displayed in the Alert and Resolution Display in a list with the callsign, alert type and condition, and computer generated Conflict Resolution Advisory.	352
A1.2.4.13	CBSERVE DISPLAY FOR NON-CONTROLLED AIRBORNE CBUECTS THAT MAY INTERFERE WITH AIRCRAFT FLIGHT	5.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	33;
41.2.5.1	DETERMINE VALIDITY, APPROPRIATENESS OF DISPLAY OF AN ALERT, RESOLUTION ADVISORY	3.7.1.2,1,1.1-00	SITUATION DISPLAY	32.
		3.7.1.2.1.1.1.9-00	CONFLICT RESOLUTION AND MSAH ADVISORIES	33
		3.7.1.2.1.1,2-00	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1.4-00	ALERT AND RESOLUTION DISPLAY	30
41.2.5.2	SUPPRESS CONFLICT ALERT FOR PAIRED AIRCRAFT	3.7.1.1.3.5.1-อง	CCNFLICT ALERT	25
		3.7.1.1.3.5.1-21	The ACCC shall also provide the capability to inhibit Conflict Alert generation for direcraft operating in adapted direspace valumes and for selected direcraft pairs and groups.	2:
		3.7.1.2.1.1.4-00	ALERT AND RESOLUTION DISPLAY	3
		5.7.1.2.1.1.4-89	The alert entries in the list shall remain displayed until the alert condition no longer exists or the controller suppresses the alert from the display.	3
		3.7.1.2.1.2,1-00	TRACK CONTROL	3
		3.7.1.2.1.2.1-21	1. Suppress/Restore Conflict Alert Pair/Conflict Resolution Advisory: Flight Identification (Aircraft 1), Flight Identification (Aircraft 2), (Suppress/Restore Alert Indicator), (Suppress/Restore Resolution Advisory (all displays)).	3
		5.7.1.2.1.2.1-22	1. Suppress/Restore Conflict Alert Pair/Conflict Resolution Advisory: This message shull be used to suppress/restore the display of conflict alert and conflict resolution information after it is forced at a sector by the Conflict Alert and Conflict Resolution Advisory functions.	3

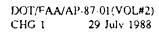
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11.2.5.2 (cont'd)	SUPPRESS CONFLICT ALERT FOR PAIRED AIRCRAFT	5.7.1.2.1.2.1-25	1. Suppress/Restore Conflict Alert Pair/Conflict Resolution Advisory: The capability shall be provided to optionally suppress/restore the alert indicator on all logical displays after it is displayed for that position without affecting the display of the resolution advisory.	36:
11.2.5.3	SUPPRESS CONFLICT ALERT FOR GROUP SUPPRESSION	3.7.1.1.3.5.1-00	CONFLICT ALFRT	29
		3.7.1.1.3.5.1-21	The ACCC shall also provide the copobility to inhibit Conflict Alert generation for aircraft operating in adapted airspace volumes and for selected aircraft pairs and groups.	23
		3.7.1.2.1.2.1-00	TRACK CONTROL	36
		3.7.1.2.1.2.1-25	j. Group Suppression: Action Indicator, (Add, Delete, Print), Group Identification Number, Flight Identification (up to 15), (Airspace), (Altitude Ronge), (Time Period),	37
		3.7.1.2.1.2.1-27	j. Group Suppression: This message shoil be used to suppress the display of the Conflict Alert and Conflict Resolution Advisory functions for trucks purposely operating within the minimum separation parameters of the Conflict Alert function and optionally within an adopted air space (See SL5).	37
		3.7.1.2.1.2.1-28	j.1 The Group Suppression message shall be used to: establish and suppress a group at a position or within an adapted airspace.	37
		3.7.1.2.1.2.1-29	j.2 The Group Suppression message shall be used to: suppress on existing group at a position or within an adopted airspace.	37
41.2.5.4	SUPPRESS MSAN RESOLUTION FOVISORY FOR AN AIRCRAFT	3.7.1,1.3.5.3-06	CONFLICT RESOLUTION ADVISORY FUNCTION	2:
		3.7.1.1.3.5.3-07	The system shall provide the copobility, via adaptation, to inhibit the generation of conflict resolution advisories for the lution of a conflict in which all of the conflict are oneroting in adapted volumes of air space.	2
		3.7.1.2.1.2.1-00	TRACK CONTROL	3
		3.7.1.2.1.2.1-32	ja. Suppress/Restore MSAW Alent/Conflict Resolution Advisory: Flight Identification, (Suppress Alent Indicator), (Suppress Resolution Advisory (all displays)), (Facility).	3

3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-35  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.1.4-39  3.7.1.2.1.1.4-39  3.7.1.2.1.1.4-39  3.7.1.2.1.1.4-39  3.7.1.2.1.1.4-39  3.7.1.2.1.1.4-39  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30  3.7.1.2.1.2.1-30	
Resolution Advisory: The coppositive provided to optionally suppress/rest resolution advisory on the Situation without affecting the display of the resolution advisory on the Alert and Resolution Display.  3.7.1.2.1.2.1-36  3.7.1.2.1.2.1-36  3.7.1.2.1.3.5.2-30  3.7.1.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.3.5.2-30  3.7.1.	oll be of MSAW gle sector
Resolution Advisory: The capability provided to optionally suppress/rest resolution advisory on all logical description advisory: The capability resolution provide the capability inhibiting MSAW alerts for selected and aircraft operating in selected and a	sholl be one the Display
The ACCC shall provide the capability inhibiting MSAW alerts for selected and aircraft operating in selected and aircraft	shall be ore the
inhibiting MSAW alerts for selected and aircraft operating in selected and aircraft operating aircraft operating in selected and aircraft operating in selected and aircraft operating in selected and aircraft operating aircraft operating aircraft operating in selected and aircraft operating aircraft	29
The alert entries in the list shall displayed until the alert condition larger exists or the controller support the alert from the display.  3.7.1.2.1.2.1-00  TRACK CONTROL  3.7.1.2.1.2.1-32  ja. Suppress/Restore MSAW Alert/Confresolution Advisory: Flight Identif(Suppress Alert Indicator), (Suppress	oircroft
displayed until the plent condition larger exists on the controller support the plent from the display.  3.7.1.2.1.2.1-00  TRACK CONTROL  3.7.1.2.1.2.1-32  ja. Suppress/Restore MSAW Alert/Confresolution Advisory: Flight Identific (Suppress Alert Indicator), (Suppress Alert Indicator), (Suppress Alert Indicator), (Suppress Alert Indicator)	35
3.7.1.2.1.2.1-32 jo. Suppress/Restore MSAW Alert/Conf Resolution Advisory: Flight Identif' (Suppress Alert Indicator), (Suppre	no
Resolution Advisory: Flight Identif: (Suppress Alent Indicator), (Suppres	36
Resolution Advisory (all displays)) (Facility).	ication, ss
3.7.1.2.1.2.33  ja. Suppress/Restore MSAN Alert/Con Resolution Advisory: This message structed to suppress/restore the displacement of an appreciate and MSAN resolution for a small arcroft either for that particular or the entire facility after displacement of the entire facility after displacement of the suppreciation has been (See SLS).	hall be y of MSAH ngle sector y of that
ja. Sommess/Restore MSAW Alert/Con-Resolution Advisory: The copobility provided to optionally suppress/resplent indicator on all legical displanter it is displayed for that positionally affecting the display of the resolution advisory.	shall be tone the lays tion
A1.2.5.6 SUPPRESS CONFLICT RESOLUTION 3.7.1.2.1.2.1-80 TRACK CONTROL ADVISORY FOR PAIRED AIRCRAFT	3

Task Number	Tosk Stotement	Panagraph Number	Requirement	Page No.
	SUPPREES CONFUICT RESOLUTION ADVISORY FOR PAIRED AIRCRAFT	3.7.1.2.1.2.1-21	1. Suppress/Restore Conflict Alert Pair/Conflict Resolution Advisory: Flight Identification (Aircroft 1), Flight Identification (Aircroft 2), (Suppress/Restore Alert Indicator), (Suppress/Restore Resolution Advisory (all displays)).	369
		5.7.1.2.1.2.1-22	1. Suppress/Restore Conflict Alert Poir/Conflict Resolution Advisory: This message shall be used to suppress/restore the display of conflict alert and conflict resolution information after it is forced at a sector by the Conflict Alert and Conflict Resolution Advisory functions.	369
		3.7.7.2.1.2.1-24	i. Suppress/Restore Conflict Alent Pair/Conflict Resolution Advicory: The capability shall be provided to optionally suppress/restore the resolution advisory on the Situation Display without affecting the display of the resolution advisory on the Alent and Resolution Display.	56
		3.7.1.2.1.2.1-25	1. Sunpress/Restone Conflict Alent Pair/Conflict Resolution Advisory: The caeability shall be provided to optionally surpress/restone the resolution advisory on all logical displays.	37
41.2.5.7	RESTORE SPECIFIC ALERTY RESOLUTION ADVISORY FUNCTION TO NORMAL	3.7.1.2.1.2.1-00	TRACK CONTROL	36
		5.7.1.2.1.2.1-21	i. Suppress/Restore Conflict Alert Pair/Conflict Resolution Advisory: Flight Identification (Aircraft 1), Flight Identification (Aircraft 2), (Suppress/Restore Alert Indicator), (Suppress/Restore Resolution Advisory (all displays)).	36
		3.7.1.2.1.2.1-22	1. Suppress/Restore Conflict Alert Poir/Conflict Resolution Advisory: This message shall be used to suppress/restore the display of conflict alert and conflict resolution information after it is forced at a sector by the Conflict Alert and Conflict Resolution Advisory functions.	36
		3,7,1,2,1,2,1-25	i. Suppress/Restore Conflict Alert Pair/Conflict Resolution Advisory: The capability shall be provided to optionally suppress/restore the alert indicator on all logical displays after it is displayed for that position without offecting the display of the resolution advisory.	3:
		3.7.1.2.1.2.1-24	i. Suppress/Restore Conflict Alert. Phir/Conflict Resolution Advisory: The copobility shall be provided to optionally suppress/restore the resolution advisory on the Situation Display without affecting the display of the resolution advisory on the Alert and Resolution Display.	3

lask Statement	Parlagnath Number	Requirement	í'ga No
RESTORE SPECIFIC A ERTY RESOLUTION FOLISORY FUNCTION TO MCRMAL	5.7.1.0.1.2.1-29	1. Suppress/Restone Conflict Alert Poir/Conflict Resolution Advisory: The comobility shall be provided to optionally suppress/restore the resolution odvisory on all logical displays.	37
	3.7.1.2.1.2.1-20	j. Group Suppression: Action Indicator, (Add. Delete, Print), Group Identification Number, Flight Identification (up to 15), (Airspace), (Aititude Range), (Time Period).	37
	3.7.1.2.1.2.1-30	j.3 The Group Suppression meshage shall be used to: delete on existing group at a position or within an amopted airspace.	37
	5.7.1.2 1.2.1-32	ja. Suppress/Restore MSAW Alert/Conflict Resolution Advisory: Flight Identification, (Suppress Alert Indicator), (Suppress Resolution Advisory (all displays)), (Facility).	j;
5.7.1.2.1.2.1-33 3.7.1.2 1.2.1-34	5.7.1.2.1.2.1-33	jo. Suppress/Restone MSAW Alent/Conflict Resolution Advisory: This message shall be used to suppress/restone the display of MSAW alents and MSAW resolution for a stagle alents and MSAW resolution for a stagle alentate either for that particular sector on the entire facility after display of that information has been (See SLS).	3:
	3.1.1.8.1.2.1-34	3.1.1.3 1.2.1-34	ja. Suppress/Restone MSAW lient/Conflict Resolution Advisory: The compulity shall be provided to optionally suppress/restone the alent indicator on all logical displays after it is displayed for that position without offecting the display of the resolution duvisory.
	3.7 1.2.1.7.1-35	ja. Suppress/Restore MSAW Alert/Conflict. Resolution Advisory: The capability shall be provided to optionally suppress/restore the resolution advisory on the Situation Display without affecting the display of the resolution advisory on the Alert and Resolution Display.	3
	5.7.1.2.1.2.1-5u	ja. Suppress/Restore MSAW Alent/Conflict Resolution Advisory: The copobility shall be provided to optionally suppress/restore the resolution advisory on all logical displays.	3
SUPPRESS FLIGHT PLAN AIRCRAFT COMPLICE DESIGNION	5.7.1.2.1.2.11-00	AUTCMATION PROCESSING MESSAGES	:
	5.7.1 2.1.2.11(20	h. Flight Plan Conflict Setection Suppression/Restore: Flight Identification, (Adopted Airspace), (Time Period).	
	3.7.1.2.1.2.11-21	h. Flight Plan Conflict Detection Suppression/Restore: This measage shall provide a means of suppressing or restoring the display of alerts of aircraft-to-aircraft t conflicts for a single aircraft, on adapted airspace, or within a specified time period.	
	RESTORE SPECIFIC ALERTY RESOLUTION FOLISTICN TO NORMAL  SUPPRESS FLIGHT PLAN AIRCRAFT	### 5.7.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1	## STORE STOTIC A SET   ## STORE STORE A

Task Number	Task Statement	Panagnaph Nusiben	Requirement	No.
A1.2.5.2	RESTORE FILIBAT PLAN ATROPART TONFLIGHT DETECTION	3.7.1.2.1.2.11-00	AUTOMATICN PROCESSING MESSAGES	392
		3.7.1.2.1.2.11-20	h. Flight Plon Conflict Detection Suppression/Restore: Flight Identification, (Auupted Airspuce), (Time Period).	393
		3.7.1.2 1.2.11-01	n. Flight Plan Conflict Detection Suppression/Restore: This message shall provide a means of suppressing or restoring the display of alerts of pircraft-to-orienal t conflicts for a single aircraft, an adopted wirspace, or within a specified time period.	393
21.2.5.3	SUPPRESS DISPLAY OF FLIGHT PLAN AIRSPACE CONFLICT DETECTION	3 7.1.2.1.2.11-00	AUTOMATION PROCESSING MESSAGES	392
		5.7.1.2.1.2.11-22	1. Airspace Conflict Detection Suppression/Restore: Flight Identification, (Adapted Airspace), (Time Period).	393
		3.7.1.2.1.2.11-23	i. Airspace Conflict Devection Suppression/Restore: This message shall provide a means of suppressing or restoring the display of alerto of directoft-to airspace e conflicts for a single aircraft, an adupted airspace, or within a specified time period.	393
41.2.5.+	MESTORE DISPLAY OF FLIGHT MEAN AIRSPACE CONFLICT DETECTION	5.7.1.2.1.2.11-ชีม	AUTOMATION PRUCESSING MESSAGES	392
		3.7.1.2.1.2.11-22	1. Airspace Conflict Detection Suppression/Restore: Flight Identification, (Adapted Airspace), (Time Period).	393
		3.7.1.2.1.2,11-23	1. Airspace Conflict Detection Suppression/Restore: This message small provide a means of suppressing or restoring the display of alerts of directoft-to-director conflicts for a single directoft, an adunted director, or within a specified time period.	393
A1.2.5.5	LUPPRESS FEIGHT PLAY FLOW RESTRICTION VIOLATION CETECTION	3.7.1.2.1.2.11-00	AUTOMATION PROCESSING MESSAGES	392
		3.7.1.2.1.2.11-24	j. Flow Restriction Violation Detection Suppression/Restore: Flight Identification.	393
		3.7.1.2.1.2.11-25	j. Flow Restriction Violation Detection Superession/Resture: This message shall provide a means of suppressing or restoring the display of flow restriction violation alerts for a single aircraft.	393
21.2.5.5	RESTORE FUTSHT FURN FLOW PESTRICTION VIGLATION PETEOTION	3.7.1.2 1.2.11-20	AUTOMATION PROCESSING MESSAGES	392



Task Nij hen	Took Statement	Panograph Number	Requirement.	Pogi No
A1.2.6.5 (cant'd)	RESTORE FLIGHT PLAN FLOW RESTRICTION FROM DETECTION	3.7.1.2.1.2.11-24	j. Flow Restriction Violation Detection Suppression/Restore: Flight Identification.	39
		3.7.1.2.1.2.11-25	j. Flow Restriction Violation Datection Suppression/Restore: This message shall provide a means of suppressing or restoring the display of flow restriction violation alerts for a single aircraft.	36
\$1.3.1.1	EUAL MATE TRAFFIO MANAGEMENT JONSTRAINIS FUR EFFECTION TRAFFIO FLOW	3.7.1.2.1.1.1-20	SITUATION DISPLAY	52
		3. 1.1.2.1.1.?-ბშ	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1.5-00	SPECIAL LISTS	35
		3.7.1.2.1.1.5.9-ຄມ	TRAFFIC MANAGEMENT ADVISORY LIST	35
		3,7,1,2,1,1,5,8-04	At least these types of flow estriction entries shall be supported: All Flights on Airways/No Directs, Flights on Specific Airways or Over a Specific Fix Specified Times Between Flights, Specified Miles-in-Trail Between Flights, Meter Fix Time or Boundary Crossing Time, and (See SLS).	35
		3,7 1,2,1,1,5,9-00	METERING ADVISORY LIST	35
		3.7.1.2.1.1.5.9-02	The set of metering advisory data for a flight is summarized in Table 3.7-7. (See SLS).	35
		5 7.1.2.1.1.5.3-05	There shall be one entry in the list for each pinchoft.	3
		3.7.1.2.1.2.10-00	ATC MAIL	3
21.3.1.2	CHICSE OP! WITCHSTANCE WITH CHECKET LIVED CONFORMANCE WITH CHECKETO MANUSCRICKT PETRICTIONS	5.7.1.1.4.2-60	RECOGFORMANCE ALD	3
		5.7.1,1,4.7-01	Upon controller request, the ACCC shall generate a Trial Plan that provides assistance to the controller for resestablishing vertical or lateral conformance between Track and Flight Plan Position.	3
	3.7.1.1.4.7-02	when an aircraft has deviated beyond specified conformance bounds from its cruise allitude, from its expected climp profile, or from its descent profile, a Irial Planshall be generated based on the aircraft's current track position and a nominal ventical profile.	3	

Task Number	Task Stitement	Paragraph Number	Requirement	Page No.
A1,3,1,2 - cont'u)	CHOCSE OPTION TO BRING AIRCRAFT INTO CONFORMANCE WITH TRAFFIC MANAGEMENT RESTRICTIONS	3.7.1.1.4.7-03	When an aircraft is out of conformance in the lateral dimension, the ACCC shall, based on the aircraft's current track position, generate a Trial Plan with either a return-to-course or a direct-to-next-fix maneuver.	3 13
		3.7.1.1.4.7- <b>0</b> 5	For direcraft out of conformance in the loteral dimension, the ACCC shall automatically display to the controller the Trial Plan generated and, if applicable, any conflict or flow problem information associated with the local Plan.	313
		3.7.3.23.1-13	SITUATION DISPLAY	32
		3.2.1.2.1 1.2-00	F_IGHT DATA DISPLAY	339
		3.7.1.2.1.1.5.3-00	TRAFFIC MANAGEMENT ADVISORY LIST	354
41.3.1.5	PESSINE TRAFFIC MANAGEMENT RESTRICTION	3.7.1.2.1.2.10-00	ATC MAIL	<b>3</b> 9
41.3.1.7	REDELVE METERING DATA	3.7.1.2.1.2.10-na	ATC MAIL	39
A1.3,1,8	RECEIVE SUPERVISOR NOTICE TO HOLD CREATED SUEAR OF SUNTINGENCY	3.7,1.2.1.2.10-00	ATC MAIL	39
41.3.1.9	REQUEST EXCEPTION TO TRAFFIO MANAGEMENT RESTRICTION	3.7.1.2.1.2.10-00	ATC MATE	39
A1,3,1,10	PEZIEW TRAFFIC DEMANDS AND TRAFFIC MANAGEMENT RESTRICTIONS WITH SUPERVISOR	5.7.1.2.1.1.1-00	SITUA.IGN DISPLAY	32
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1.5.6-00	TRAFFIC MANAGEMENT ADVISORY LIST	35
		3.7.1.2.1.1.5.9-60	METERING ADVISORY LIST	35
		3.7.1.2.1.2.10-70	ATC MAIL	39
41.3.1.12	AECUEST TRAFFIC MANAGEMENT NOVISORIES	£.7.1.2.1.1.5-00	SPECIAL LISTS	55
		3.7.1.2.1.1.5-05	Each list shall be independently displayed on sup: 15ed on controller command.	35
		3.7.1.2.1.1,5.3-60	TRAFFIC MANAGEMENT ADVISORY LIST	35
21.3.1.13	PECEINE APPROVAL OF REQUEST FOR EXCEPTION TO FLOW RESTRICTION	3.7.1 2.1.2.10-60	ATC MAIL	39
A1,3,1,14	RECEIVE DENIAL OF REQUEST FOR EXCEPTION TO FLOW RESTRICTION	3.7.1.2.1.2.10-00	ATC MAIL	39

Task Number	Task Statement	Puragraph Number	Requirement	Page No.
A1.3.1.16	REQUEST METERING ADVISORY LIST	3.7.1.2.1.1.5-00	SPECIAL LISTS	352
		3.7.1,2.1.1.5-03	Each list shall be independently displayed on suppressed on controller command.	352
		3.7.1.2.1.1.5.9-00	METERING ADVISORY LIST	355
		3.7,1.2.1.1.5,9-02	The set of metering advisory data for a flight is summarized in Table 3.7~7. (See SLS).	355
Ai.3.2.1	PERCEIVE AN AUTITUSE OF ROUTE DEVIATION	3.7,1.2,1,1.1-00	SITUATION DISPLAY	323
		3.7,1.2,1.1,1.3-90	TARGET AND TRACK DATA AND SYMBOLOGY	331
		3.7.1.2.1.1.2-60	FLIGHT DOTA DISPLAY	35
41.3.2.2	CREENE AIRCRAFT RESUMING ACRMAL FLIGHT PLAN	3.7,1,2,1,1,1-00	SITUATION DISPLAY	32
	}   	3.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	32
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.1.3-17	The controller shall be oble to select and deselect the display of each category of target or thack data and up to five previous positions of history data.	33
		3.7.1.2.1.1.1.3-86	Movement of the displayed data black shall be minimal on a scan-to-scun basis.	33
		3.7.1.2.1.1.1.4-00	TRACK VECTOR	33
		3.7.1.2.1.1.1.4-01	The Situation Display shall contain a velocity/distance vector associated with each track.	33
21.3.2.4	RECLIVE CONTROLLER NOTICE OF AIRCRAFT FLIGHT PLAN DEVIATION	3.7.1.2.1.2.10-00	ATC MAIL	35
A1.3.2.5	INFORM CONTROLLER/ SUPERVISOR OF AIRCRAFT FEIGHT PLAN O'VIATION	3.7.1.2.10-60	ATC MAIL	3:
A1.3.2.6	DETECT LATERAL/ ALTITUDE NUNCOMFORMANCE INDICATION	3.7.1.1.3.2.7-00	FLIGHT PLAN ASSOCIATION CHECKING	2
		3.7.1.1.3.2.7-01	The ACCC shall periodically compute positions of paired tracks with flight plan positions.	2
		3.7.1.1.3.2.7-95	If the loweral or vertical position check is failed, the track shall be considered out of conformace and an appropriate indication shall be generated and presented to the controller.	2

Task Number	Task Statement	Puragraph Number	Requirement	Page No.
A1.3 2.6 (cont'd)	CETECT LATERALY ALTITUDE NONCONFORMANCE INDICATION	3.7.1.2.1.1.1-00	SITUATION DISPLAY	32
		3.72.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.1.3-29	d. Track status shall be coded within the track position symbol, leader line, or FDB and shall denote when a track is in coast, hold, flight plan extrapolation, or out of association with its paired flight plan.	33
		3.7.1,2.1.1.1,3-44	The information conveyed in the track position symbol and FDB shall be adactable from the following set of data: Callsign, Made C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Hondoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33
		3.7.1.2.1.1.1.3-45	bb. Altitude nonconformance indicator shall denote the status of a tracked pirchaft's reported altitude in relation to its assigned altitude. In addition, it shall denote when Made C fails Made C reasonableness checks.	3:
		3.7.1.2.1.1.1.3-56	cj. The following emergency and alert conditions shall be coded in the FDB; Altitude non-conformance.	3
		3.7.1.2.1.1.2-00	FLIGHT PATA DISPLAY	3
		3.7.1.2.1.1.2.1-00	FLIGHT DATA FIELDS	3
		3.7.1.2.1.1.2.1-03	Table 3.7-1 lists the Flight Plon Data fields with the maximum number of characters in the field. (See SLS).	3
41.3.2.7	REQUEST RECONFORMANCE ATO	3.7.1.1.4-00	AUTOMATION PROCESSING SUBAREA	
		3.7.1.1.4-04	The ACCC shall, upon controller request, generate Trial Plans to resolve predicted conflicts and to re-establish conformance between aircraft track and flight plan positions.	
		3.7.1.1.4.7-00	RECONFORMANCE AID	
		3.7.1,1,4,7-01	Upon controller request, the ACCC shall generate a Trial Plan that provides assistance to the controller for re-establishing vertical or lateral conformance between Track and Flight Plan Pesition.	
		3.7.1.1.4.7-05	for discrete out of conformance in the lateral dimension, the ACCC shall automatically display to the controller the Irial Plan generated and, if applicable, any conflict or flow problem information associated with the Irial Plan.	
		3.7.1.2.1.2.11-00	AUTOMATION PROCESSING MESSAGES	

Eusk Number	Task Statement	Paragraph Number	Pequinoment	Pag No
A1.3.2.7 (cont'd)	REQUEST RECONFORMANCE ALD	3 7,1.2,1,2,11-17	g. Reconformance Aid: Flight Identification, ('Joteral Manauver Type),	39
		3,7,1,2,1,2,11-18	g. Reconformance Aid: This message shall be used to construct a Trial Plan to restore conformance between an aircraft's track position and its Flight Plan.	2.9
		3.7.1.2 1.2.11-19	g Reconformance Aid: In the case of lateral non-conformance the ACCC shall accept preferred manager, types (return to course or direct to next tix) indicated by the controller.	39
1.3.2.8	CONTRACT TRIVE PLAN GENERATED TO RECONFORMALLY ALD FOR APPROPRIATE ALTITUDE, ROUTE	3.7.1.2.1.1.2-00	FLICHE DATA GISPLAY	33
		3.7.1.2.1.1.2-36	In addition to the Flight Data Area, a Flight Data Readout Area shall be assumed to display all the flight data on one particular flight that is selected by the controller.	3,
		3.7.1.2.1.1.2-37	The Flight Data Readout Area shall also contain up to four Trial Plan FDEs for a particular flight that is selected by the controller.	3-
		3.7.1.2.1.1.2-38	This area shall have sufficient space for all of the data or employ appropriate baging and scrolling techniques so that the controller can access the data.	3
		3.7.1.2.1.1.2,1-00	FLIGHT DATA FIELDS	3
		3.7.1.2.1.2.1-03	Table 3.7-1 lists the Flight Plan Data fields with the maximum number of characters in the field. (See SLS).	1
A1.3.2.9	REQUEST DISPLAY OF FDE FOR FLIGHT PLAN	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	1
		3.7.1.2.1.1.2-01	This logical display shall certain flight information for aircraft under the control of the sector, those not yet under the control of the sector, and those of interest to the sector.	-
		3.7.1.2.1.1.2-02	A subset of this information for one aircraft (flight) shall be displayed as a Flight Nato Entry (FDE) in one or more lists within the Flight Data Display.	
		₹.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	
		3.7.1.2.1.2.2-42	<pre>p. Request FDEs: /Sector Number and/or Facility). (Posting List Header). (Flight Identification(s)).</pre>	

	Task Statement	Paragraph Number	Requirement	Page No.
	REQUEST DISPLAY OF FDE FOR FLIGHT PLAN	3.7.1.2.1.2.2-43	p. Request FDEs: This message shall enable the controller to request one or more FDEs from another sector and/or facility to be displayed in the Flight Data Area at the requesting sector.	377
:.3.2.10	EVALUATE FLIGHT DATA (O DETERMINE FUTURE COURSE OF ACTION	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
		3.7.1 2.1.1.2-02	A subset of this information for one aircraft (flight) shall be displayed as a Flight Data Entry (FDE) in one or more lists within the Flight Data Display.	339
11.3.2.11	EVALUATE LATERAL NONCOMFORMANCE INDICATION FOR ACTION NEEDED	3.7.1.2.1.1.1-00	SITUATION DISPLAY	32:
		3.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	32
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1.2-01	This logical display shall contain flight information for aircraft under the control of the sector, those not yet under the control of the sector, and those of interest to the sector.	33
A1.3.2.12	EVALUATE ALTITUDE NENCONFORMANCE INDICATION FOR ACTION NEEDED	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1.2.1.1.1.2-คิซ	GFOGRAPHIC MAP DATA	3
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBULOGY	3
		3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Collsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Hundoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	3
		3.7 1.2.1.1.1.3-60	cj. The following emergency und alert cond:tions shall be coded in the FDB: Altitude non-conformance.	3
41.3.2.13	EYALUATE UNPEASONABLE MODE C INGICATOR FOR ACTION NEEDED	3.7.1.2.1.1.1-#@	SITUATION DISPLAY	



Task Number	Task Statement	Paragraph Number	Popul nome-t	Pogi
TOSK NUMBER	losk Statement	Paragraph Number	Requirement	No
(1.3.2.13 (cont'd)	EVALUATE UNREASONABLE MODE C INDICATOR FOR ACTION NEEDED	3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	331
		3.7.1.2.1.1.1.3-46	bb. Altitude nonconformance indicator shall denote the status of a tracked aircraft's reported altitude in relation to its assigned cititude. In addition, it shall denote when Mode C fails Mode C reasonableness checks.	33:
11.3.2.14	DETECT UNREASONABLE MODE C INDICATION	3.7.1.2.1.1.1-00	SITUATION DISPLAY	32
		3.7.1.2.1.1.1.3-⊎Ø	TARGET AND TRACK DATA AND SYMBOLOGY	33
		5.7.1.2.1.1.1.3-46	bb. Altitude nonconformance indicator shall denote the status of a tracked aircraft's reported aititude in relation to its assigned altitude. In addition, it shall denote when Mode C fails Mode C reasonableness checks.	33
41.3.3,1	INFORM CONTROLLER/ SUPERVISOR/ PILOT OF AIRSPACE RESTRICTION IMPOSED/ RELEASE	3.7.1.2.1.2.10-00	ATC MAIL	39
41.3.3.2	ENTER AIRSPACE RESTRICTION STATUS CHANGE	3.7.1.2.1.2.17-00	AUTOMATION PROCESSING MESSAGES	35
		3.7.1.2.1.2.11-28	<ol> <li>Activate/Deactivate Special Use Airspace: Airspace Name, (Time Period), (Altitude Limits), (Controlling Agency).</li> </ol>	35
		3.7.1.2.1.2.11-29	1. Activate/Deactivate Special Use Airspace: This message shall be used to activate and deactivate adapted or dynamically defined special use dispace.	3:
		3.7.1.2.1.2.11-32	1. Activate/Deactivate Special Use Airspace: This message shall also be used to modify the time period, altitude limits, and controlling agency already entered for a special use airspace.	3
A1.3.3.3	RECEIVE REQUEST FOR USE OF SPECIAL USE AIRSPACE FROM SUPERVISOR/ CONTROLLER/ PILOT	3.7.1.2.1.2.10-00	ATC MAIL	3
A1.3.3.5	OBSERVE DISPLAY OF AIRSPACE RESTRICTION STATUS CHANGE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	3
		3.7.1.2.1,1.1.2-07	When the special use ninupuce becomes active, or at an acapted time prior to activation, the special use airspace boundary shall automatically by disclayed and emphysized.	3
		3.7.1.2.1.1.1.2-98	The activation period, altitude limits, and controlling agency associated with the special use airspace shall be displayed in or near the displayed boundary.	

Task Number	Task Statement	Paragraph Number	Requirement	Pag No
1.3.3.5 cont'd)	OBSERVE DISPLAY OF AIRSPACE RESIRICTION STATUS CHANGE	3.7.1.2.1.1.1.2-10	The special use airspace boundary shall remain emphasized until the controller takes a manual action to deemphasize it.	32
		3.7.1.2.1.1.1.2-11	At the expiration of the activator period or upon receipt of a deactivation message the special use airspace boundary shall continue to be presented until the controller takes a manual action to inhibit it from display.	33
		3.7.1.2.1.1.8-00	SYSTEM STATUS DATA DISPLAY	3
		3.7.1.2.1.1.8-02	The following data categories shall be included: Communication Channel Assignments, Radio Frequencis, Radio Equipment Outages and Repair Schedule, Radar Equipment Outages and Repair Schedule, NAVAID Outages and Repair Schedule, NAVAID Maintenance Schedule, Sectorization Plan (See SLS).	3
		3.7.1.2.1.1.8-84	All displayed information shall be updated automatically when changes are reported.	3
		3.7.1.2.1.1.8 05	As established through adaptation, selected items shell be emphasized to indicate that an automatic update has occurred on the display.	
1.3. <b>5</b> .6	MECEIVE NOTICE OF AIRSPACE RESTRICTION/ RELEASE	5.7.1.2.1.2.1ชี-ซีซี	ATC MAIL	
11.5.4.1	DETERMINE DESCENT TIME OR POINT	3.7.1.1.3.4-00	TRAFFIC MANAGEMENT CAPABILITIES	
		3.7.1.1.3.4-01	The ACCC shall provide capabilities to support the Traffic Management Coordinators and controllers in performing the following traffic management functions: Arrival Flow Management, En Route Flow Management, Departure Flow Management, and Traffic Management Performance Analysis and Evaluation.	
		3.7.1.1.3.4.1-00	ARRIVAL FLOW MANAGEMENT (AFM)	
		3.7,1.1.3.4,1-01	The ACCC shall provide arrival metering and runway configuration management (RCM) functions to support the TMC and controllers in predicting arrival demond and airport arrival capacity, and managing arrival demand.	
		3.7.1.1.3.4.1.1.2-00	ARRIVAL METERING SCHEDULING AND DELAY PREDICTION	
		3.7.1.1.3.4.1.1.2-02	The ACCC shall predict the delay required by each aircraft to meet its metered schedule and allocate that delay in a fuel efficient manner to the arrival ACF, prior ACF, or on the ground at the departure airport as appropriate.	
		3.7.1.1,3.4.1.1.2-63	Delays shall be displayed ut the appropriate metering and controller position.	

Task Number	Task Statement	Paragraph Number	Requirement	Pag No
(1.3.4.1 cont'd)	DETERMINE DESCENT TIME OR POINT	3.7.1.1,3.4.1.1.2-06	After the ACCC has allocated the predicted delay to various absorption methods, the ACCC shall check the plan for aircraft-to-aircraft conflicts, aircraft-to-oirspace conflicts, and flow restriction violations, before the plan is displayed to the controller.	28
		3.7.1.1.3.4.1.1.2-07	Any resulting conflicts or violations shall be displayed with the plon to the position controlling the aircraft.	28
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	33
		3.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	3:
		3.7.1.2.1.1.5-00	SPECIAL LISTS	3
		3.7.1.2.1.1.5.8-00	TRAFFIC MANAGEMENT ADVISORY LIST	3
		3.7.1.2.1.1.5.9-00	METERING ADVISORY LIST	3
1.3.4.3	OBSERVE METERING ADVISORY LIST FOR METERING REQUIREMENTS	3.7.1.1.3.4.1.1.2-00	ARRIVAL METERING SCHEDULING AND DELAY PREDICTION	2
		3.7.1.1.3.4.1.1.2-03	Delays shall be displayed at the appropriate matering and controller position.	
		3.7.1.1.3.4.1.1.2-06	After the ACCC has allocated the predicted delay to various absorption methods, the ACCC shall check the plan for aircraft-to-aircraft conflicts, aircraft-to-airspace conflicts, and flow restriction violations, before the plan is displayed to the controller.	2
		3.7.1.1.3.4.1.1.3-00	DETECTION OF ARRIVAL METERING ADVISORY ACTIVATION POINIS	
		3.7.1.1.3.4.1.1.3-02	If the delay absorption advisories have been enabled by the metering personnel, the delay absorption advisories shall be presented at the position currently in control of the aircraft and to the positions which are expected to have control within a parameter time.	
		3.7.1.2.1.1.5.9-ØØ	METERING ADVISORY LIST	
		3.7.1.2 1.1.5.9-02	The set of metering advisory data for a flight is summarized in Table 3.7-7. (See SLS).	
A1.3.4.4	REQUEST AIRCRAFT BE RERCUTED	3.7.1.1.3.4.2.3-00	SECTOR REROUTING PLANNING AID	
		5.7.1.1.3.4.2.3-95	When initiated by the TMC, the proposed reroute shall be presented to the appropriate control position for implementation into the flight plan or a trial plan without the controller having to re-enter the proposed reroute.	

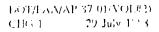
Task Statement	Paragraph Number	Requirement	Nō.
REQUEST AIRCRAFT BE REROUTED	3.7.1.2.1.2.10-00	ATC MAIL	391
PROJECT MENTALLY THE RANGE/ BEARING BETWEEN AIRCRAFT	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
VALIDATE MODE C ALTITUDE	3.7.1.2.1.1.1-ที่ยั	SITUATION DISPLAY	323
	3.7.1.2.1.1.1.3-d0	TARGET AND TRACK DATA AND SYMBOLOGY	336
	3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type. Assigned Altitude or Interim (See SLS).	33.
ENTER REPORTED ALTITUDE	3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	37
	3.7.1.2.1.2.2-24	h. Reported Altitude: Flight Identification, Altitude(s), (Indicator denoting Report Reaching), (Indicator denoting Report Leaving), (Indicator denoting that reported oltitude is other thom assigned altitude).	3~
	3.7.1.2.1.2.2-25	h. Reported Altitude: This message shall be used to enter, modify, or delete a reported altitude.	3
	3.7.1.2.1.2.2-26	h. Reported Altitude: In addition, the option shall be provided to denote that the reported altitude is a report reaching, a report leaving, or other than assigned altitude.	2
RECEIVE NOTICE OF MISSED APPROACH	3.7.1.2.1.1.1-80	SITUATION DISPLAY	3
	3.7.1.2.1.1.1.3-08	TARGET AND TRACK DATA AND SYMBOLOGY	3
	3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	3
DESERVE AIRSPACE INTRUSION BY A NON-CONTROLLED OBJECT	3.7.1,2.1,1.1-80	SITUATION DISPLAY	3
	3.7.1.2.1.1.1.5-80	TARGET AND TRACK CATA AND SYMBOLOGY	3
ENTER CONTROLLER NOTE	3.7,1.2,1,1.1,14-80	SEOGRAPHIC TAGGING	
	3.7.1.2.1.1.14-82	The capability shall be provided for the controller to enter a string of alphanumerics starting at any geographic point designated by the CPSO or controller entered fix.	
	PROJECT MINTALLY THE RANGE/ BEARING BETHEEN AIRCRAFT  VALIDATE MODE C ALTITUDE  ENTER REPORTED ALTITUDE  RECEIVE NOTICE OF MISSED APPROACH  CESER-E AIRSPACE INTRUSION BY A NON-CONTROLLED OBJECT	PROJECT MONTALLY THE RANGE/ BEARING BETWEEN AIRCRAFT  VALIDATE MODE C ALTITUDE  3.7.1.2.1.1.1.98  3.7.1.2.1.1.1.3-88  3.7.1.2.1.2.2-24  ENTER REPORTED ALTITUDE  5.7.1.2.1.2.2-25  3.7.1.2.1.2.2-26  RECEIVE NOTICE OF MISSED  APPROACH  2.7.1.2.1.1.1.3-88  3.7.1.2.1.1.1.3-88  3.7.1.2.1.1.1.3-88  3.7.1.2.1.1.1.3-88  3.7.1.2.1.1.1.3-88  ENTER CONTROLLED OBJECT  3.7.1.2.1.1.1.3-88  3.7.1.2.1.1.1.3-88  5.7.1.2.1.1.1.3-88  5.7.1.2.1.1.1.3-88  5.7.1.2.1.1.1.3-88	PROBECT MYNTALLY THE RANGE/ BERKIND BETTLERN ARRANE/ BERKIND BETTLERN ARRANE/ WALIDATE MODE C ALTITUDE  3.7.1.2.1.1.1.3-80  5.7.1.2.1.1.1.3-80  5.7.1.2.1.1.1.3-80  5.7.1.2.1.1.1.3-80  5.7.1.2.1.1.1.3-80  5.7.1.2.1.1.1.3-80  5.7.1.2.1.1.1.3-80  5.7.1.2.1.1.1.3-80  5.7.1.2.1.2.1.2.2-20  ENTER REPORTED ALTITUDE  5.7.1.2.1.2.2-24  5.7.1.2.1.2.2-25  ENTER REPORTED ALTITUDE  5.7.1.2.1.2.2-25  ARRON BETTLE ARRON BETTLE REPORTED ALTITUDE  5.7.1.2.1.2.2-25  ARRON BETTLE REPORTED ALTITUDE  5.7.1.2.1.2.2-26  ARRON BETTLE REPORTED ALTITUDE  5.7.1.2.1.2.3-2-26  ARRON BETTLE REPORTED ALTITUDE  5.7.1.2.1.2.3-2-2-26  ARRON BETTLE REPORTED ALTITUDE  5.7.1.2.1.2.3-2-2-26  ARRON BETTLE REPORTED ALTITUDE  5.7.1.2.1.2.3-2-2-26  ARRON BETTLE REPORTED ALTITUDE  5.7.1.2.1.2.3-2-2-2-26  ARRON BETTLE REPORTED ALTITUDE  5.7.1.2.1.2.3-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2

Task Number	Task Statement	Paragroph Number	Requirement	Page No
1.3.6.2 cont'd)	ENTER CONTROLLER NOTE	3.7.1.2.1.1.18-00	CONTROLLER NOTEPAD DISPLAY	36
conc dy		5.7.1.2.1.1.18-01	The logical display shall contain controller-entered free-form text notes which have no 'semantic level' meaning to the system, but rather are treated as a string of undifferentiated characters.	36
11.3.6.3	FLIGHT-FOLLOW AN CBSERVED NON-CONTROLLED OBJECT	3.7.1.1.3.2.2-00	TRACK INITIATION	27
		3.7.1.1.3.2.2-05	The ACCC shall provide the capability of manually initiating a track through controller input even if the reports associated with the target to be tracked consist entirely of primary (search) reports.	27
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	3
		3.7.1.2,1.2.1-00	TRACK CONTROL	3
		3.7.1.2.1.2.1-05	b. Track: Flight Identification, Track Action (Coast, Start, Drop, etc.), (Track Start Position), (Speed), (Heading), (Assigned Altitude).	
		3.7.1.2.1.2.1-06	<ul> <li>b. Track: This message shall be used to change the tracking status of an aircraft.</li> </ul>	
		3.7.1.2.1.2.1-07	b. Track: The Track message shall be designed to enable the controller to modify the tracking function for a particular aircraft.	
41. <b>3</b> 6.4	FORWARD NOTICE OF AIRSPACE INTRUSION BY A NON-CONTROLLED CBUECT	3.7.1.2.1.2.10-00	ATC MAIL	
41.3 6.5	RECEIVE NOTICE OF AIRSPACE INTRUSION BY A NON-CONTROLLED COUECT	3.7.1.2.1.2.16-am	AIC MAIL	
A1.3 7.1	7.1 RECEIVE CONTROLLER/ SUPERVISOR #EQUEST FOR TEMPORARY USE OF AIRSPACE 3.7.1.2.3.2.18-28 ATC MAIL	ATC MAIL		
A1.3.7.2	FCPHARD APPROVAL FOR TEMPORARY USE OF AIRSPACE	3.7.1.2.1.2.10-00	ATC MAIL	
A1,3,7,3	FORWARD DENIAL OF TEMPORARY USE OF AIRSPACE	3,7,1,2,1,2,18-68	ATC MAIL	
A1,5,7,4	SUPPRESS MAP ASSOCIATED WITH TEMPORARY USE OF AIRSPACE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	
		3.7.1.2.1,1,1.2-80	GEOGRAPHIC MAP DATA	

<del></del>	Task to	Requirement Traceat	oility Matrix	Page
Task Number	Task Statement	Paragraph Number	Requirement	No.
A1.3.7.4 (cont'd)	SUPPRESS MAP ASSOCIATED WITH TEMPORARY USE OF AIRSPACE	3,7,1.2,1,1.1.2-02	Mop dota shall be divided into many categories.	324
		3.7.1.2.1.1.1.2-03	These categories shall include, but not be limited to, several groups of fixes, several groups of oirways, sector boundaries grouped by altitude, special use airspace boundaries, airports, obstructions, fixes, minimum vector altitudes (MVA), military routes, holding pottern (See SLS).	324
		3.7.1.2.1.1.1.2-04	Each category shall be independently selectable for display by the controller.	324
		3.7.1.2.1.1.1.2-06	The controller shall be able to select/deselect a special use airspace boundary for display on an area-by-area basis.	324
		3,7.1.2.1,1.1,2-11	At the expiration of the activator period or upon receipt of a deactivation message the special use airspace boundary shall continue to be presented until the controller takes a manual action to inhibit it from aisplay.	324
A1,3,7,6	SELECT MAP DISPLAY OF ADAPTED AIRSPACE REQUESTED FOR USE BY ANOTHER CONTROLLER	3.7.1.2.1 1.1-00	SITUATION DISPLAY	525
		s 7.1.2.1.1.1.2-ec	GEOGRAPHIC MAP DATA	323
		3.7.1.2.1.1.1.2-81	The Situation Display shall contain geographic map alta set in adaptation	3,73
		3.7.1.2.1 5.1.2-62	Mod data shall be divided into many categories	x-
		3 1.1.2.1.1.1.2-25	These cotegories shall include, but not be limited to, several proups of fixes, several groups of others, several groups of others, sector boundaries grouped by altitude, solicial use othersolic boundaries, apports, obstructions, fixes, minimum vector estitudes. Mikil, militare routes, holding pottern. (See S.S.)	y.
		5,7,1,2,3,1,1,2-8=	Each category shall be indecembert;, selectable for display by the controller	E.
		3 7.1.2.1.1.1.2-86	The controller shall be able to selectideselect dispectal use arrestable boundary for display on an area-by-area basis.	r.
a1.3.7.7	EVALUATE FEASIBILITY OF RELEASING AIRSPACE TEMPORARILY	3.7.1.2.1.1.1-80	SITUATION DISPLAY	323
		3.7.1.2.1.1.1.3-20	TARGET AND TRACK DATA AND SYMBOLOGY	336

Task Number	Task Statement	Paragraph Number	Requirement.	Pug No
41.3.7.7 (cont'd)	EVALUATE FEASIBILITY OF RELEASING AIRSPACE TEMPURARILY	3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adoptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and Indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	33
		3.7.1,2.1,1.2-01	This logical display shall contain flight information for aircraft under the control of the sector, those not yet under the control of the sector, and those of interest to the sector.	3.3
		3,7,1,2,1,1,2-02	A subset of this information for one aircroft (flight) shall be displayed as a Flight Data Entry (FDE) in one or more lists within the Flight Data Display.	33
÷1.3.7.8	RECEIVE NOTIFICATION OF RETURN OF RELEASED AIRSPACE	3.7.1.2 1,2,10-60	AFC MAIL	31
- 3	1 EST TEMPORARY USE OF 1785P4CE	5.7.1.2.1 2.16-60	ATO MAIL	3
5 a 2		3 1.1.2.1.2.18-68	ATC MAIL	1
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:: <b>↓ :                                </b>	PETELVE (LEXPANCE APPRILATION FROM ANTHUR CONTROLLER	3 1 1,2 1,2 16-60	ATC MAIL	
17,4°7,7°	MEDETAE DUEARANCE DISAPPROVALA DENIAU FROM ANOTHER CONTROLLER	3.7.1.2.1.2 10-00	ATC MAIL	

Task Number	Task Statement	Paragraph Number	Requirement	Page No.
\$1,4-1.8	RECEIVE AUTERNATE SUGGESTION FOR CLEARANCE/ APPROVAL REQUESTED OF ANOTHER CONTROLLER	3.7.1.2.1.2.16-80	ATC MAIL	391
1,4,1,9	RECEIVE COMPUTER-GENERATED PEMINDER NOTICE ON CLEARANCE	3.7.1.1.4-00	AUTOMATION PROCESSING SUBAREA	304
		3.7.1,4.4 00	The ACCC shall assist the controller in determining when clearances should be issued to the appropriate aircraft.	305
		5.7.1.1.4-07	In order to provide these capabilities, the ACCC shall monitor the progress of aircraft along their Trajectories and at the appropriate time, shall inform the controller that a control action is planned for a system parameter time in the future.	305
		5.7.1.1.0-03	This information shall be maintained in a Centroller Reminder List.	50٠
		3.7.1.2.1.1.5.11-00	CONTROLLER REMINDER LIST	33
		3.7.1.2.1.1.5.11-81	The Controller Reminder List shall contain information for the controller to perform a control action which was planned in the Trajectory and has not been restricted by coaptation acto.	35
		3.7,1.2,1.1.6,11-02	The types of controller reminders shall include but are not limited to altitude change, altitude change with restriction, and expect further clearance (after an interim altitude or to leave a holding pattern).	7.5
		3.7.1.2.1.1.5.11-03	The Controller Reminder List shall not include control action, information already indicated in Flight Data Entries with the exception of altitude restrictions entered by the controller or defined by adoptation which shall be indicated in both the Controller Reminder List and FCS.	5.5
		3.7.1.2.1.1.5.11-04	The controller nemals for an oblitude change of oblitude is anyewith restriction shall be displayed at a system parameter time prior to the nominal maneuver starting point.	35
		3.7.1.2.1.1.5.11-05	The controller remander to expect further clearance should be uisplayed at a system parameter time prove to the expect further clearance time.	35
		3 7.1.2.1.1.5.11-06	The set of Controller Reminder data shall include the fallowing information: a) arrorait callsign, b) controller reminder type, and c) message.	55
A1,4,1,18	MENTER POTENTIAL IMPEDIMENTS FOR IMPACT ON PROFICED STEARANCE	5.2.1.1.54-00	PROCESSING OF WEATHER MAP MESSAGES	2



Task Number	Tosk Statement	Panagraph Nomes	Donui coment	Pag No	
192k Mamber	insk Statement	Paragraph Number	Requirement	No.	
41,4,1,18 (cont'd)	REVIEW POTENTIAL IMPEDIMENTS FOR IMPACT ON PROPOSED CLEARANCE	3.7.1.1.3.1.4-01	The system shall provide the capability of extracting weather map messages that are received from ATC radors and associated equipment.	27	
		\$.7.1.1.3.1.4-nz	This shal, include data from the Weather Fixed Map Unit (WFMU) of long ronge rodars, ARSR-3s and ARSR-4s, and the weather channel in the ASR-9 or an equivalent primary radar sensor.	27	
		3.7.1.2.1.1.1-80	STTUATION DISPLAY	3;	
		3.7.1.2.1.1.1.2-67	SENGRAFAIC MAP CATA	3	
		3.7.1.2.1. (.1.3 OH)	TARCET AND TRACK DATA AND SYMBOLOGY	3	
		3.72.1,1.1.7-88	GRAPHIC MEATHER FROM AIC RAGARS	3	
		57.1	5 7.1 2.1.1.1.1-81	The Situation Display shall, at the controller's option, display graphic weather constructed from Auto obtained from Air Trainic Control radius.	3
		5.7.1,2.1,1,1,8-28	SNAPPIC WEATHER FROM REAL TIME WEATHER PROCESSOR (RWP)		
		3 7 1.2 1.1.1.8-81	the Situation Display shall, at the option of the centraller, display weather products of tained from the mean line Weather processor.		
		3 7.1 2 1 3.7 dd	FLISHT DATA DISH AY		
		3.7.3.2 1.1.54%	SPECIAL LISTS		
	1	3 7.3 2.1.1.5 सन्दर्भ	TRAFFIC MUNAGEMEN' ADVISORY LIST		
		3.1.1.2 1.7.5 9/88	METERING ADVISORY LIST		
		3 1.1.2 1.1.60 66	ALADER DISPLAY		
n1,4-1,13	PARTIES FOR CHANGES FOR FARMER PLANATED OR SUTURE POTENCY	5, 2, 1, 2, 1, 1, 2, 66	FLIGHT CA:A DISPLAY		
		3.1 1.2 1.1.7 (1	: Undating - Flight Data finids shall be oplated by the system because of direct modifications of the flight data fields or system processing of flight changes.		
		3.7 2.1.1 2 23	e. Updating - Option 1 shall provide automatic aprotes of information in the FSE with emphasis of the new data.		
		5 7.1.2.1.1.2.24	<ul> <li>c. Undating - Automatic update shall consist of the existing data being replaced by the new data.</li> </ul>		

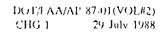
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Tosk Number	Task Statement	Pundgraph Nomber	Requirement	Page No.
41.4.1.15 (cont'd)	EVALUATE FOR CHANGES FOR CLEARANCE PLANNING OR FUTURE ACTIONS	<b>3.7.1.2.1.1.2-2</b> 6	c. Updating - Option 2 shall provide for the automatic update in the FDE with emphasis of the new data and shall require controller acknowledgment to delete the emphasis.	340
		3.7.1.2.1.1.2-27	c. Updating - Option 3 shall provide new data to be displayed and emphasized in the Flight Data Readout Area on the Flight Data Display and shall require controller acknowledgment before updating the FDE.	340
		3.7.1.2.1.1.2-26	c. Updating - The data in this area shall include the flight identification, field identifier, and the new data.	340
41,4,1 15	PERCEIVE NEED FOR AMENDED CLEARANCE	3.7.1.2.1.1.1-0E	SITUATION DISPLAY	323
		3.7.1.2.1,1.1.3-20	TARGET AND TRACK DATA AND SYMBOLOGY	330
		3.7.1,2.1 1,1,3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign, mode C Altitude or Priot Reported Altitude and indication of Friot Reported Altitude, Handoff Statis/Indicator, Alminaft Type, Assigned Altitude or Interim (See SLS).	332
		5.7.1.2.1.1.2-&8	FLIGHT DATA DISPLAY	339
		3 7.1.2.1.1.2 1-89	FLIGHT DATA FIELDS	341
		5.7.1.2.1.1.2 1-05	Table 3.7-1 lists the Flight Plan Data finlds with the maximum number of characters in the field. (See SLS).	341
11,4,2,1	CECLARE EMERGENCY AND INVOKE CONTINUONS PLAN	3.7.1.2 1.2.18-08	ATC Will	391
31,4,2,2	RECEIVE NOTICE OF PILOT OR AIRCRAFT HAVING & PROBLEM E G., OVERCAE, LOSS OF RADIO CONTACT;	3.7.1.2 1.2.10-38	ATC MAIL	391
A*.4.2.4	CETECT A PILOT OR AIRCRAFT PROBLEM (E.G., HYPOXIV, PYCEPTION BEACON COCE)	3.7 1.2.1.1.1 <b>-00</b>	SITUATION CISPLAY	323
		3.7.1.2.1.1.1.3-66	TARGET AND TRACK DATA IND SYMBOLOGY	330
		5 7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FUB shall be adaptable from the following set of data: Collsign, Mode C Altitude on Filot Reported Altitude and indication of Pilot Reported Altitude, Handriff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See Sts).	33.
		5.7.1.2.1.1,1,3-4/	bc. Exception beacon code shall denote when a track's reported beacon code/Made 5 address differs from its assigned beacon code/Mode 5 address.	333

A1.4.2.5 FORM INFO ANOT		Paragroph Number	Requirement	Pog No
1NFC ANOT	ECT A PILOT OR AIPCRAFT BLEM (E.G., HYPCXIA, EPTION BEACON CODE)	3.7.1.2.1.1.1.3-57	co. The following emergency and alert conditions shall be coded in the FDB: Reacon Code 7760 (Emergency), 7600 (Radio Failure), and adaptable codes for Hijack Surport Aircrift, and other possible uses.	33
a j Ri	WARD CONTINGENOM ORMATION TO SUMERVISOR/ OTHER CONTROLLER	5.7.1.2.1.2 2-60	FLIGH: DATA CHANGES	37
414		3.7.1 T. (.2.2ne3	a. Flight Duta Amendment: Flight Identification, Field to be Modified, New Duta.	17
414		5.7.1.2.1.2.2·M4	a. Flight Duta Amendment: This massage shall be used to modify, add th, or eslete previously entered flight uata for any ilight plan.	3.
414		3 7.1.2.1 2.z-P7	o Flight Dota Amendment: The flight data fields that don be amended are listed in Table 3.7-1. (See SLS).	*
414		3.7 1.4.1.2.18-00	ATC MAIL	3
3	FORM DESIGNATED MERSONNEL OF ROBART HAVING FLIGHT DBLEMS	3.7.1.2.1.2.10-20	OTC MAIL	
10E	QUEST RELAY OF INSTRUCTIONS PILET MACCON FOR ENTIFICATION TUPNY ANSPONDER RESPONSE	J. 7.1.2.1.2.10-00	ATC MAIL	
	NDUCT SLARCH FOR AIRCRAFT THOUT RADIG CONTACT	f.7.1.2.1.2.13-86	ATC MAIL	
TRA	ISERVE ATROPAFT TURNY ANNOU CER RESPONSE FOLLOWING ON IFTCATTON PEQUEST	:.7.·.2 1.18 <sup>11</sup>	STIUATION DISPLAY	-
		3.7.1.2.1 1.1.5-80	TARGET AND TRACK DATA AND SYMEOLOGY	
		3.7.1.2.1.1 1 3:12	The controller shall be able to releat and descreet the display of each category of tonget on track Jobs and up to five previous positions of history data.	
		3 7.1.2.1.1.1.3/20	b. The ident indicutor shell be coded within the target position symbol.	
		5.7,1,2,1,1,1,5-40	Dirinfirmation conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign, Mode C altitude of First Reported Altitude, and indication of Pilit Reported Altitude, alendoff Status/Indicator, Aincraft Type, Assigned Altitude or Interim (See SLS)	
		1		- 1

	143/1	o Requirement Traceat		Page
Task Number	Task Statement	Paragraph Number	Requirement	No.
11.4.2.10	CONDUCT RADIO/ RADAR SCARCH	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
	FOR OVERDUE AIRCRAFT			
		3.7.1.2.1.1.1.5-20	TARGET AND TRACK DATA AND SYMBOLOGY	330
		3.7.1.2.1.1.1.3-44	The information conveyed in the track polition symbol and FDS shall be adoptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	332
		3.7.1.2.1.2.10-60	ATC MAIL	391
A1.4,2,11	RECEIVE SUPERVISOR NOTICE OF EMERGENCY DECLARED AND CONTINGENCY PLAN INVOKED	3.7.1.2.1.?.10-00	ATC MAIL	391
41,4,2,12	RECEIVE SUPERVISOR NOTICE OF EMERGENCY DELCARED AND CONTINGENCY PLAN INVOKED	3.7.1.2.1.2.10-00	ATC MAIL	391
41.4.2.13	RECEIVE NOTICE THAT SUPERVISOR WILL CONDUCT COMMUNICATIONS SEARCH FOR OVERDUE/ NORDO AIRCRAFT	3.7.1.2.1.2.10-00	ATC MAIL	39
A1.4.2.14	RECEIVE PILOT NOTICE OF EMERGENCY DECLARED	3.7.1.2.1.1.1-00	SITUATION DISPLAY	32
		3.7.1.2.1.1.1. ØØ	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.1.3 .7	ca. The following emergency and alert conditions shall be coded in the FDB: Beacon Code 7700 (Emergency), 7600 (Rodio Farlure), and adoptable codes for Hijack, Suspect Aircraft, and other possible uses.	33
A1.4.3 1	PERCEIVE PRESENCE OF SPECIAL S	3,7,1,2,1,1,1,3-00	TARGET AND THACK DATA AND SYMBOLOGY	3.5
		3.7.1.2.1 1,1.3-44	The information conveyed in the track position symbol and FDB shall be adoptable from the following set of data: Callsign, Mode C Altitude or Pilor Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Inserim (See SUS).	33
		3.7.1.2.1.1.2-60	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1,2.1-68	FLIGHT DATA FIELDS	34
		3.7,1.2,1.1.2,1-95	Table 3.7-1 lists the Flight Plan Data fields with the maximum number of characters in the field. (See SLS).	3.
		3.7.1.2.1.1.8 00	SYSTEM STATUS DATA DISPLAY	3
				- [



lask Number	Task Statement	Paragroph Number	Чеquirement	No Pag
				1
1.4.3.1 cont'a)	PERCEIVE PRESENCE OF SPECIAL OPERATION	3.7.1.2.1.1.8-02	The following data categories shall be included: Communication Channel Assignments, Radio Frequencies, Radio Equipment Outages and Repair Schedule, Radar Equipment Outages and Repair Schedule, NAVAID Outages and Repair Schedule, NAVAID Maintenance Schedule, Sectorization Plan (See SLS).	35
1.4.3.2	RECEIVE REVIEW/ NOTICE OF SPECIAL OPERATION	3.7.1.2 1.2.10-00	ATC MAIL	39
1.4.3.3	FORWARD NOTICE OF SPECIAL OPERATIONS TO ANOTHER CONTROLLER, SUPERVISOR	3.7.1.2.1.2.1ā-8Ø	ATC MAIL	3:
1.4.4.1	OBSERVE NEW FLIGHT PLAN POSTING	3.7.1.2.1.1.2-68	FLIGHT DATA DISPLAY	3:
		3.7.1.2.1.1.2-81	This logical display shall contain flight information for aircraft under the control of the sector, those not yet under the control of the sector, and those of interest to the sector.	3
		3.7.1.2.1.1.2-02	A subset of this information for one gircraft (flight) shall be displayed as a Flight Data Enery (FDE) in one or more lists with;n the Flight Data Display.	7
		3.7.1.2.1.1.2-03	An FDL shall be displayed for a Flight Pion on a Trial Plan.	
		3.7.1.2.1.1.2-11	a. Posting - The capability shall be provided to operate the sector such that FDE's are automatically posted and emphosized in the Flight Data Area and remain emphosized until the controller explicitly acknowledges each FDE or inhibits the emphasis capability.	
		3.7.1.2.1.1.2-12	a. Posting - When the capability is inhibited, FDF's are automotically posted without emphasis in the Flight Data Area, and the controller shall have no acknowledgement duties.	
A1.4.4.2	REVIEW FLIGHT PLAN FOR COMPLETENESS	3.7.1.2.1.1.2-ที่ตั	FLIGHT DAYN UISPLAY	
		3.7.1.2.1.1.2-01	This logical display shall contain flight information for aircraft under the control of the sector, those not yet under the control of the sector, and those of interest to the sector.	
		3.7.1.2.1.1.2 #2	A subset of this information for one ordered (flight) should be displayed as a flight Data Entry (FDE) in one or more lists within the Flight Bata Displey.	
		3.7.1.2.1.1.2-05	An IDE shall be displayed for a Flight 21 in or a Trial Plan.	
		3.7.1 2 1.1 2.1-00	FLIGHT DATA FILLOS	



Task Number	Tosk Statement	Puragraph Number	Requirement	Page No.
A1.4.4 Z (contid)	PSYTEM FLISH PLAN FOR COMPLETINESS	7.1.2.1.1.2.1-01	Each Flight Data Entry shall be composed of a set of fields and subfields.	341
		3,7,1,2.7,1.2.1- <b>0</b> 3	Yoble 3.7-1 lists the Flight Plan Dota fields with the maximum number of characters in the field. (See SLS).	341
		3.7.1.2.1.1.2.1-06	If the required display area is not sufficient to display the route of flight or the entire set of remarks, an indicator denoting insufficient display area shall be displayed in the Route Information field.	342
A1.4.4.3	ENTER FLICHT PLAN	3 7.1.?.1.2.2~av	FLIGHT DATA CHANGES	573
		3.7.1.2.1.2.2-15	e. Flight Plan: Callsign, (F)ight Rules), (Type of Flight), (Number of Aircraft), Type of Aircraft, (Model Number), (Heo & Jet 'ndicator), Equipment, Departure foint, Departure Time, Coordination Fix, Coordination Time/Elapsed Time to Coordinate Fix, True Air Speed, Altitude, Route, (See SLS).	374
		3.7.1.2.1.2.2-16	e. Flight Plan: This message shall be used to enter flight plan data into the system for a flight.	374
		3.7.1.2.1.2 2-17	e. Flight Plan: Either the Departure Point and Departure lime or the Coordination fix and Coordination Time/Elapsed Time to Coordination Fix shall be included.	374
37,4,4,5	ACKACHIEDGE NEW FLIGHT PLAN	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
		3.7.1.2.1.1.2-11	a Posting - The capability shall be provided to aperate the sactor such that FUS's are automatically posted and emphasized in the Fiight Duta Area and remain emphasized until the controller explicitly acknowledges each FUS or inhibits the emphasis capability.	349
		7.7.1.2 1.1.2-44	g. FDEs shall be emphasized if: The manual ocknowledge mode for automatically posting FDEs is selected.	34
A1.4.4.3	PEVIEW FEIGHT FLAN FOR ERRORS/ DATA LIST SECTIONS	3.7.1.2.1.1.2-00	FLIGHT DAYA DISPLAY	33!
		3.7.1.2.1.1.2-06	o. Posting - The copobility shall be provided to display the different types of FDEs in separate lists.	3,41
		5.7.1.2.1.1.2.10	<ul> <li>a. Posting " This organization of FDEs shall be provided at the uption of the controller.</li> </ul>	34
		3 7.1.0.1.1.2 20	b. Ordering - in menual ordering, the controller shall have the capability is put a new LOC in the appropriate place in a list and to move FOLs with respect to one another.	34

Task Number	Task Stalement	Panagnuph Number	Requirement	Page No.
			THE PROPERTY OF THE PROPERTY OF THE PARTY OF	<del> </del>
(1.4,4 5 cont'd)	REVIEW FLIGHT PLAN FOR ERRORS/ DATA LIST SEQUENCE	3,7,1,2,1,1,2-35	f. Formstting - The conscaller shell be able to select a farmat for all FDEs, a different format for all FDEs in each separate posting list, and/or a different format for a particular FDE from the formats available at his position.	34
11.4.4.9	QUERY THE RELAYER OF A FLIGHT PLAN	3.7 1.2.1.2.10-ยอ	ATC MAIL	39
41.4.4.11	ENTER STEREO FLIGHT PLAN	3.7.1.2.1.2.?-50	FLIGHT CATA CHANGES	37
		5.7.1.2.1.2.2-35	k. Stereo Flight Floo: Callsian. (4/C Data). (Speed). Coordination Time, (Altitude). Stereo log. (Remarks).	37
		5.7 1.2.1.2.2-54	k. Steren Flight Plan: This message shall be used to enter an aborevioted flight plan	3?
A1,4.4.12	ENTER VER FLIGHT PLAN	3 72.1.2.2-88	FLIGHT DATA CHANGES	37
		3.7.1.2 1.2.2-52	(. ViR Flight Plan: Aircroft Identification. (A/C Data). (Beacon Code). (Departure Point). (Destination). (True Air Speed). (Cooldination Fix). (Loardination Time). (Altitude). (Route). (Estimated Point of Peretration of AUTZ/DEUTZ Boundary). (Flapsed Time to Point of AUTZ/DEUTZ (See SES).	37
		1.7.1.2.1.2.2-53	J. VFR Slight Plan: Inis message shall be used to estublish a set of data for a VFR flight.	37
		3.7.1.2.1.2.2-54	u. VER Flight Plan: The coordination field shall be used to designate that posting determination shall be performed or the VR flight plan and to route VER flight data to controller designated positions and familities.	37
A1,4 4.13	PLEQUEST FELCHT FLATEREACOUT	7.7 .2.1.1.2-40	FLIGHT DATA DISPLAY	33
		5.7.1.2.1.; 2-36	In ordition to the Flight Data Area, a Flight Data Per Jour Wiles shall be elabhished to display all the flight data on one particular flight that is releated by the centrally	34
		5.1 1 2 1.1 5 20	MISSAUL COMINSTITION AND PESPOYSE DISPLAY	3'
		5.7.1.2 1.1 -04	The Response (display shall centain information that is a response to a query made by the controller to the data have sort or a flight tian readout, a route readout, enother sold readout, or APS mail message readout.	3'
21,4,, 16	WITE SOUTHER BAN DATA IN THE	3.7 .2.1.1.1.00	STISETION DISPLAY	5
	l	}	j	ļ

Task Number	Task Statement	Panagraph Number	Requirement	Page No.
\$1.4.4.14 (cont'a)	ENIER SCRATCH PAD DATA IN FULL DATA BLOCK	3.7.1.2.1.1.1.3-55	bk. Scratch Pad Data shall be entered by the controller and shall consist of up to three characters of information.	334
A1.4.5.1	RECEIVE FLIGHT DATA REVISION	3.7.1.1.3.3.1.2-00	AMEND FLIGHT PLAN DATA	281
		3.7.1.1.3.5.1.2-10	When an alternate coded Severe Weather Avoidance Program (SWAP) route is input by the Traffic Management Coordinator, the ACCC shall determine all flights which have not yet deported that have a filed route going from the designated departure airport to the designated airport.	281
		3.7.1.1.3.3.1.2-11	The ACCC shall update the filed route of flight with the new route for those flights.	281
		3.7.1.1.3.3.1.2-12	The ACCC shall distribute the updated information to appropriate control positions and the TMP.	281
		5.7.1.1.3.3.1.9-00	FLIGHT PLAN OUTPUT DATA	285
		3.7.1.1.3.3.1.9-01	The system shall provide flight plan outputs to a variety of operational positions, calocated processors, and remote facilities.	285
		3.7.1.1.3.3.1.9-02	The ACCC shall output data periodically, on request, or in occordance with specifical criteria.	285
		3 7.1.1.3.3.2.2-00	AMEND VER FLIGHT PLAN DATA	230
		3.7.1.1.3.3.2.2-02	The modification of certain fields of the VFR flight plan shall cause additional processing and new outputs to be sent to appropriate sectors and facilities.	28
		3.7.1.2.1.1.2-90	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1.2-21	c. Updating - Flight Data fields shall be undated by the system because of direct modifications of the flight data fields or system processing of flight changes.	34
		3.7.1.2.1.1.2-23	c. Updating - Option 1 shall provide automatic update of information in the FDE with emphasis of the new acta.	30
		3.7.1.2.1.1.2-24	c. Updating - Automatic update shall consist of the existing data being replaced by the new data.	54
		3.7.1.2.1.1.2-26	c. Updating - Option 2 shall provide for the automatic update in the FDE with emphasis of the new data and shall require controller acknowledgment to delete the emphasis.	34
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Task Number	Task Statement	Panagraph Number	Requirement	Page No.
41.4.5.1 (cont'd)	RECEIVE FLIGHT DATA REVISION	3.7.1.2.1.1.2-27	c. Upd., .g - Option 3 shall provide new dota to be displayed and emphasized in the Flight Data Readout Area on the flight Data Display and shall require controller acknowledgment before updating the FDE.	340
A1.4.5.2	EMPHASIZE FLIGHT DATA ENTRY POSTING FOR REMINDER ACTION	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	539
		5.7.1.2.1.1.2-40	It shall be possible for the controller to emphasize an entire FDE, FDE field, and FDE subfields.	341
A1.4.5.3	ENTER FLIGHT PLAN AMENDMENT	3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	373
		3.7.1,2.1,2.2-81	The data fields shall be input in an order that facilitates the human interface.	373
		3.7.1.2.1.2.2-02	Several new messages shall be required to input flight data changes.	575
		3.7.1.2.1.2.2-03	<ul> <li>a. Flight Data Amendment: Flight Identification, Field to be Modified, New Data.</li> </ul>	37.
		3.7.1.2.1.2.2~∄4	a. Flight Data Amendment: This message shall be used to modify, add to, or delete previously entered flight data for any flight plan.	37.
		3.7.1.2.1.2.2-05	a. Flight Data Amendment: This message shall be used to enter a flight rule change from either VFR to IFR or IFR to VFR.	37
		3.7.1.2.1.2.2-06	a. Flight Data Amendment: Amendment data, when accepted, shall become a part of the flight data hase.	37
		J.7.1.2.1.2.2-07	a. Flight Data Amendment: The flight data fields that can be amended are listed in Table 3.7-1. (See SLS).	37
A1.4.5.4	ENTER PILOT'S POSITION REPORT IN SYSTEM	5.7.1.2.1.2.2-ยย	FLIGHT DATA CHANGES	57
		3.7.1.2.1.2.2-22	g. Progress Report: Flight Identification, Fix, (Actual Time at Fix), (Pilot Estimate at Fix), (Next Fix), (Pilot Estimate at Next Fix), (Altitude).	37
		5.7.1.2.1.2.2-23	g. Progress Report: This message shall be used to update the position in time of an active flight plan.	3.7
A1.4 5.5	DELETE FLIGHT OFTA ENTRY EMPHASIS	3.7.1.2.1,1.2-00	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1.2-4#	It shall be possible for the controller to emphasize on entire FDE, FDE field, and FDE subfields.	3-4
		}		1

Task Number	Tosk Stotement	Paragraph Number	Requirement	Page No.
A1.4.5.5 (cont'd)	DELETE FLIGHT DATA ENTRY EMPHASIS	3.7.1,2,1.1.2-41	The controller shall subsequently be able to restore the FDE to its nurmal display.	341
		3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	373
		3.7.1.2.1.2.2-37	n. FDE and Data Field Emphasis: Flight Identification, Field to be Emphasized, Emphasized data.	<b>3</b> 76
		3.7.1.2.1.2.2-38	n. FDE and Data Field Emphasis: This message shall enable the controller to add, modify, or delete emphasis on certain data fields in Table 3.7-1.	376
A1.4.5.9	INFORM CONTROLLER UNABLE FLIGHT PLAN AMENOMENT	3.7.1.2.1.2.1 <b>0-00</b>	ATC MAIL	391
A1.4.5.10	RECEIVE CONTROLLER ADVICE OF UNABLE FLIGHT PLAN AMENDMENT	3.7.1.2.1.2.10-00	ATC MAIL	391
A1.4.5.11	RECEIVE REQUESTED FLIGHT PLAN CHANGES	3.7.1.2.1.2.10-00	ATC MAIL	391
41,4,5,12	ENTER REROUTING INTO A FLIGHT PLAN	3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	373
		3.7.1.2.1.2.2-68	y. Implement Reroute: Reroute, Flight Identification.	379
		3.7.1.2.1.2.2-69	y. Implement Reroute: This message shall be used to implement a proposed reroute into the flight plan for the designated aircraft.	379
A1.4.6.1	RECEIVE HANDOFF PEQUEST	3,7,1,1,3,2,4-00	DETERMINATION OF TRACK STATUS	275
		3.7.1.1.3.2.4-84	d. Tracks in Crosstell status are those tracks for which handoffs have been initiated from an adjacent facility.	275
		3.7.1.1.3.2.4- <del>8</del> 5	d. The crosstell status exists from the time of receipt of the track data associated with the initial handoff message until the handoff is accepted or recalled through controller action.	275
		3.7.1.2.1.1.1-88	SITUATION DISPLAY	323
		3 2.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	332
		3.7.1.2.1.1.1.3-45	ba. Handoff status shall denote when a handoff has been initiated, accepted or retracted for a track. The identity of the initiating sector/position shall be denoted to both the initiating and the receiving sectors/positions.	333
		3.7,1.2.1.1.1.3-61	ce. The following emergency and olert conditions shall be coded in the FCB: Track in handoff status to the sector:	33-

Task Number		to Requirement Tracea		Pac
	lask Statement	Paragraph Number	Requirement	No.
N1.4.6.1 (cont'd)	RECEIVE HANDOFF REQUEST	3.7.1.2.1.1.1.3-72	db. Some of the conditions that shall result in the display of a FDB for a track are: Aircraft is in handoff or pointout status to this sector.	3:
41,4.6.2	DENY HANDOLF	3.7.1.2.1.2.1-00	TRACK CONTROL	3
		3.7.1.2.1.2.1-02	<ul> <li>a. Accept/Retract/Reject Handoff: Flight Identification(s), (Reject Indicator).</li> </ul>	3
		3.7.1.2.1.2.1-03	a. Accept/Retract/Reject Handoff: This message shall be used to accept or reject control of a truck or tracks whose initiate handoff message was addressed to the entering sector from a designated sector.	3
1.4.6.3	ACCEPT VERBAL HANDOFF/ INITIATE MANUAL TRACK START	3.7.1.1,3.2.2-00	TRACK INITIATION	
		3.7.1.1.3.2.2-05	The ACCC shall provide the capability of manually initiating a track through controller input even if the reports associated with the target to be tracked consist entirely of primary (search) reports.	
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	
		3,7.1.2,1,1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	
		3.7.1.2.1.2.1-00	TRACK CONTROL	
		3.7.1.2.1.2.1-05	b. Track: Flight Identification, Track Action (Coost, Start, Drop, etc.), (Frack Start Position), (Speed), (Heading), (Assigned Altitude).	
		3.7.1.2.1.2.1-06	b. Track: This message shall be used to change the tracking status of an olrcraft.	
		3.7.1.2.1.2.1-07	b. Track: The Track message shall be designed to enable the controller to modify the tracking function for a particular aircraft.	
41.4.5.4	ACCEPT AUTOMATIC HANGGER	3.7.1.1 3.2 8.2-00	HANDOFF OF CONTROLLED TRACKS	
		3.7.1.1.3.2.8.2-18	The controller receiving the handoff of a track shall be provided the copability to take control by making an accept handoff action.	
		3.7.1.2.1.2.1-@0	TRACK CONTROL	
		3.7.1.2.1.2.1-42	o. Accept/Retroct/Reject Hendoff: Flight Identification(s), (Reject Indicator).	

Task Number	Task Statement	Punagnaph Number	Requirement	Page No.
A1.4.6.4 .cont'a)	ACCEPT AUTOMATIC HANDOFF	3.7.1.2.1.2.1-€3	a. Accept/Retract/Reject Handoff: This message shall be used to accept or reject control of a track or tracks whose initiate handoff message was addressed to the	368
A1.4.6.6	DETERMINE RESPONSE TO HANDOFF REQUEST	3.7.1.2.1.1.1-00	entering sector from a designated sector. SITUATION DISPLAY	323
		3.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	323
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	339
		3.7,1.2.1,1,1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign. Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude. Handoff Statu:/Indicator, Aircraft Type. Assigned Altitude or Interim (See SLS).	33
21,4.6.7	RECEIVE CONTROL OF AIRCRAFT	3.7.1.2.1.2.10-00	ATC MAIL	39
41.4.6.8	REQUEST TRANSFER OF CONTROL	3.7.1.2.1.2.10-00	ATC MAIL	39
11,4,7,1	INITIATE HANDOFF FUNCTION	5.7.1.1.3.2.8.2-00	HANDOFF OF CONTROLLED TRACKS	27
		3.7.1.1.3.2,8.2-17	The controller shall have the capability to manually initiate a handoff for a specific controlled track to a specific sector or facility.	27
		3.7.1.2.1.2.1-00	TRACK CONTROL	36
		3.7 1.2.1.2.1- <del>2</del> 8	c. Initiate Handoff: Flight Identification, (Sector or Facility).	36
		3.7.1.2.1.2.1-09	c. Initiate Handoff: This message shall be used to manually initiate the transfer of control of a tracked direcraft from one sector or facility to another.	36
		3.7,!.2.1.2.1-10	c. Initiate Handoff: When sector or facility is not entered, the transfer of control shall be initiated to the next sector or facility the flight will enter based on its trajectory.	36
A1.4.7.2	DBSERVE AUTOMATIC INIVIATION OF HANDONE	5.7.1.1. <b>3</b> .2.8.2-00	HANDOFF OF CONTROLLED TRACKS	2
		3.7.1.1.3.2.8.2-21	The ACCC shall determine when controlled tracks should be handed off to appropriate sectors or focilities.	2
		5.7.1.1.3.2.8.2-05	When the track position passes the computed or adopted point, the track shall be automatically placed in the handoff status.	2
		3.7.1.2.1.1.1-66	SITUATION DISPLAY	j,

Task Number	Tosk Stotemer:t	Puragraph Number	Requirement	Pag No
(1,4,7,2 (cont'd)	CBSERVE AUTOMATIC INITIATION OF HANCOLF	3.7.1.2.1.1.1.3-ชัย	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3,7,1,2,1,1,1,3-44	The information conveyed in the track position symbol and FDB shall be adoptable from the following set of data: Collsign. Mode C Altitude or Pifot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33
		3.7.1.2.1.1.1.3-45	ba. Handoff status shail denote when a handoff has been initiated, accepted or retrocted for a track. The identity of the initiating sector/position shall be denoted to both the initiating and the receiving sectors/positions.	33
A1.4.7.3	RETRACT HANDOFF	3.7.1.2.1.2.1-80	TRACK CONTROL	3
		3.7.1.2.1.2.1-02	a. Accept/Retract/Reject Har 'off: Flight Identificution(s), (Reject Indicator).	3
		3.7.1.2.1.2.1-04	a. Accept/Retract/Reject Handoff: If the message is entered for an aircraft already under control of the sector or facility entering the message, it shall be interpreted as a retraction of the transfer of control.	3
A1,4,7,4	SECEINE HANDOEL ACCEDIANCE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1 2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	1 3
		3.7.1,2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	3
		5.7.1.2.1.1.1.3-45	ba. Handoff status shall denote when a handoff nos been initiated, occepted or retracted for a track. The identity of the initiating sector/position shall be denoted to both the initiating and the receiving sectors/positions.	
A1,4,7,7	RESETVE REQUEST FOR TRANSFER OF CONTROL	3.7.1.2.1.2.10-00	ATC MAIL	
A1,4.7.8	DETERMINE THAT ATROPAGE IS LEAVING SECTOR	3.7.1.2.1.1.1-80	SITUATION DISPLAY	
		3.7.1.2.1.1.1.2-ฮฮ	GEOGRAPHIC MAP DATA	
		3.7.1.2.1.1.1.5-80	TARGET AND TRACK DATA AND SYMBOLOGY	

lask Number	Task Statement	Panagraph Number	Requirement	Pag No
1.4.7.8 cent'd)	DETERMINE THAT ALECRAFT IS LEAVING SECICE	3.7.1.2.1.1.1.5-14	Displayed target/track and associated Gata Blocks shall be removed from the display cither ofter reaching the sector boundary or after a parameter-designated time period has elapsed after a handoff acceptance.	33
		3,7,1,2,1,1,1,3-40	The Situation Display shall also contain a FDB associated with certain tracks within the geographic area of concern.	33
		3.7.1.2.1.1.1.3-44	The information conveved in the track position symbol and FCB shall be adaptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33
1.4.7.9	DETECT MANUAL HANDOFF MODE INDICATION	3.7.1.1.3.2.8.2-00	HANDOFF OF CONTROLLED TRACKS	27
		3.7.1.1.3.2.8.2-40	<ol> <li>The automatic handoff function shall generate a handoff alert indication when: The automatic handoff function is inhibited for a track.</li> </ol>	27
		3.7.1.2.1.1.1-80	SITUATION DISPLAY	33
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	3
÷		3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	3
		3.7.1.2.1.1.1.3-53	bi. The handoff alert indication shall denote any of the following conditions: when a handoff, which was automatically initiated, has not been accepted after a parameter designated time; when the automatic handoff function is inhibited for a track; when a handoff, which was manually (See SLS).	3
11,4.7.10	REQUEST TRANSFER OF FLIGHT PLAN DATA TO ANOTHER FACILITY	3.7.1.1.3.3.1.8-00	TRANSFER OF INTERFACILITY FLIGHT PLAN DATA	1
		5.7.1.1.3.5.1.8-0)	The ACCC shall provide the copobility of transferring flight plan data from the system data base to any facility.	i
		3.7.1.1.3.3.1.8-05	Flight plan data shall also be transferred in response to requests from any facility.	
		3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	
		3.7.1.2.1.2.2-28	i. Transfer Flight Plan: Flight Identification(s), Facility.	

Task Number	Tusk Statement	Panagnaph Number	Requirement	Pag No
1,4,7,10 cont'd)	REQUEST TRANSFER OF FLIGHT PLAN GATA 10 ANOTHER FACILITY	3.7.1.2.1.2.2-29	i. Fransfer Flight Plan. This message shall be used to cause the transmission of flight plan data to a Facility (ACCC, TCCC, ARTS, TAAS, or ISSS) regardless of the scheduled time for transmission.	37
1,4.7.11	INFORM CENTROLLER OF ANY CONDITIONS AFFECTING TRANSFER OF CONTROL	3.7.1.2.1.2.10-00	ATC MAIL	3!
1,4,7.12	INFORM CONTROLLER OF RELINGUISHED CONTROL OF ALROMAFT	3.7.1.2.1.2.10-00	ATC MAIL	3
1.4.7.13	CETECT HANDOFF ALERT	3.7.1.2.1.1.1-06	SITUATION DISPLAY	3
		3.7.1.2.1.1.1.3-ฮีที	TARGET AND TRACK DATA AND SYMBOLOGY	
		3.7.1.2.1.1.1.3-94	The information conveyed in the track position symbol and FDB shall be adoptable from the following set of data: Callsign. Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircroft Type, Assigned Altitude or Interim (See SLS).	
		3.7.1.2.1.1.1.3-53	bi. The handoff alert indication shall denote any of the following conditions: when a handoff, which was automatically initiated, has not been accepted after a parameter designated time; when the automatic handoff function is inhibited for a track; when a handoff, which was manually (See SLS).	
		3.7.1.2.1.1.1.3-64	ch. The following emergency and alert conditions shall be coded in the FDB: Handoff Alert.	
41.4.7.14	REDIRECT HANCOFF	3.7.1.2.1.2.1-00	TRACI CONTROL	
		3.7.1.2.1.2.1-66	t. Redirect Handoff: Flight Identification, Sector or Encility.	
		5,7,1,2,1,2,1-67	t. Redirect Hondoff: This message shall provide the means for the initiating controller to redirect a handoff.	
		3.7.1.2.1.2.1-68	t. Redirect Handoff: A retract handoff message shall be automatically sent to the sector/facility which received the original initiate handoff message.	
A1.4.7.15	FECEIVE HANDOFF REJECTION	3.7.1.2 1.1,1-00	SITUATION DISFLAY	
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	

Task Number	Task Statement	Paragraph Number	Requirement	Page No
(1, 4, 7, 15 cont 'd)	RECEIVE HANDOFF REJECTION	3.7.1.2.1.1.1.3-45	ba. Handoff status shall denote when a handoff has been initiated, accepted or retracted for a track. The identity of the initiating sector/position shall be denoted to both the initiating and the receiving sectors/positions.	33
!		3.7.1.2.1.2.1-00	TRACK CONTROL	36
		3.7.1.2.1.2.1-03	a. Accept/Retract/Reject Handoff: This message shall be used to accept or reject control of a track or tracks whose initiate handoff message was addressed to the entering sector from a designated sector.	36
A1.4.8.1	INITIATE POINTOUT	3,7.1.1.3.8-00	POINTOUT CAPABILITY	30
		3.7.1.1.3.8~86	Upon detection, the ACCC shall force a full data block to the position responsible for that sector.	30
		5.7.1,1.3,8-08	In addition, the capability shall be provided for the controller to manually initiate a pointout for any track with an FDB on their Situation Display.	30
		3.7.1.2.1.2.1-00	TRACK CONTROL	38
		3.7.1.2.1.2.1-15	f. Initiate Pointout: Flight Identification, Sector or Facility.	36
		3.7.1.2.1.2.1-16	f. Initiate Pointout: This message shall be used to request the display of a Full Data Block at another sector's or Facility's Situation Display.	3(
A1.4.8.2	OBSERVE AUTOMATIC INITIATION OF POINTOUT TO ANOTHER CONTROLLER	3,7,1,1,3,8-00	POINTOUT CAPABILITY	3
		3.7.1.1.3.8-01	The ACCC shall have the capability to detect when a controlled track, not in handoff to a sector and not praviously pointed out to the sector, will enter that sector.	3
		3.7.1.1.3.8-02	If the time to enter the sector is less than a system parameter, the ACCC shall display a full data block to the position responsible for that sector.	3
		3.7.1.1.3.8-06	Upon detection, the ACCC shall force a full data block to the position responsible for that sector.	3
		3.7.1.1.3.8-09	An indication that the pointaut accurred and the identity of the receiving sector/position shall be denoted to both the initiating and receiving sectors/positions.	3
		5.7.1.2.1.1.1-00	SITUATION DISPLAY	
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	

Task Number	Task Statement	Purograph Number	Requirement	Puge No.
11.4.8.2 .cont'd)	OBSERVE AUTOMATIC INITIATION OF POINTOUT TO ANOTHER CONTROLLER	3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	332
		3.7.1.2.1.1.1.3-51	bg. The initiating sector's/position's pointout indicator shall denote the receiving sector's/position's identification and either an acceptance or a rejection.	333
		3.7.1.2.1.1.1.3 60	cd. The following emergency and alert conditions shall be coded in the FDB: Initiation or receipt of a pointout.	334
11,4.8.3	FORCE FLIGHT DATA ENTRY TO ANOTHER CONTROLLER	3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	373
		3.7.1.2.1.2.2-45	<ul> <li>a. FDE Point Out: Flight Identification, (Sector Posting Number), Sector Number.</li> </ul>	376
		3.7.1 2.1.2.2-41	o. FDE Point Out: This message shall be used to force on FDE displayed at the entering sector to the Flight Data Area at another sector.	376
41.4.8.4	RECEIVE ACCEPTANCE OF POINTOUT	3.7.1.1.3.8-00	POINTOUT CAPABILITY	301
		3.7.1.1.3.8-10	The copobility shall be provided for the position receiving the pointout to ucknowledge or reject it.	301
		3.7.1.1.3.8-11	This choice shall be indicated to the initiating and receiving position as well as an indication that no choice was made in a system parameter time.	301
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	338
		3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adoptable from the following set of data: Callsign, Mode C Altitude or Pilot Peported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	332
		3.7.1.2.1.1.1.3-51	bg. The initiating sector's/position's pointout indicator shall denote the receiving sector's/position's identification and either an accompance or a rejection.	33.
		3.7.1.2.1.2.1-00	TRACK CONTROL	36
		3.7.1.2.1.2.1-65	<ul> <li>e. Polytout Accept/Reject: An appropriate indication shall be made to the sending position.</li> </ul>	3.

Task Number	Tusk Statement	Paragraph Number	Requirement	Page Nu.
N1.4.8.5	RECEIVE REJECTION OF POINTOUT	3.7,1.1.3,8-00	POINTOUT CAPABILITY	301
		3.7.1.1.3.8-10	The copobility shall be provided for the position receiving the pointput to acknowledge or reject it.	301
		3.7,1.1.3.8-11	This choice shall be indicated to the initiating and receiving position as well as an indication that no choice was made in a system parameter time.	301
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.1.3 14	The information conveyed in the track position symbol and FDB shall be adoptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Hundoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33:
		3.7.1.2.1.1.1,3-51	bg. The initiating sector's/position's pointout indicator shall denote the receiving sector's/position's identification and either an acceptance or a rejection.	33
		3.7.1.2.1.2.1-00	TRACK CONTROL	36
		3.7.1.2.1.2.1-65	s. Pointout Accept/Reject: An appropriate indication shall be made to the sending position.	37
A1.4.8.6	GETECT INDICATION OF NO ACTION ON POINTOUT	3.7.1.1.3.8-00	POINTOUT CAPABILITY	31
		3.7.1.1.3.8-าฬ	The capability shall be provided for the position receiving the pointout to acknowledge or reject it.	31
		3.7.1.1.3.8-11	This choice shall be indicated to the initiating and receiving position as well as an indication that no choice was made in a system parameter time.	31
A1.4.9.1	RECEIVE POINTOUT	3.7.1.1.3.8-00	POINTOUT CAPABILITY	3
		3.7.1.1.3.8-06	Upon detection, the ACCC shall force a full data block to the position responsible for that sector.	3
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1.2.1.1.1.3-90	TARGET AND TRACK DATA AND SYMBOLOGY	3

lask Number	Task Statement	Poragraph Number	Requirement	No No
1).4.9.1 (cont'd)	RECEIVE POINTOUT	3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Collsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	333
		J.P.1.2 1.1.1.3-50	bf. The receiving sector's/position's pointout indicator shall denote the receiving sector's/position's inentification.	33
		3.7.1.2.1.1.1.3-60	cd. The following emergency and alert conditions shall be coded in the FDB: Initiation or receipt of a pointout.	33
		3.7.1.2.1.1.1.3-72	ab. Some of the conditions that shall result in the display of a FDB for a track are: Aircraft is in handoff or pointout status to this sector.	33
41.4.9.2	ACCEPT POINTOU:	3.7.1.1.3.8-00	POINTOUT CAPABILITY	30
		3.7.1.1.3.8-10	The capability shall be provided for the position receiving the pointout to acknowledge or reject it.	30
		3.7.1.2.1.2.1-80	TRACK CONTROL	3E
		3,7,1,2,1,2,1-63	s. Pointout Accept/Reject: Flight Identification, (Reject Indicator).	37
		3.7.1.2.1.2.1-64	s. Pointout Accept/Reject: This message shall provide the means for the controller to accept or reject a Data Block Pointout.	
A1.4.9.3	DENY POINTOUT	3.7.1.1.3.8-00	POINTOUT CAPABILITY	51
		3.7.1.1.3.8-10	The capability shall be provided for the position receiving the pointout to acknowledge or reject it.	31
		3.7.1.2.1.2.1-00	TRACK CONTROL	3
		3.7.1.2 1.2.1-65	s. Pointout Accept/Reject: Flight Identification, (Reject Indicator).	3
		3.7.1.2.1.2.1-64	s. Pointout Accept/Reject: This message shall provide the means for the controller to accept or reject a Data Block Pointout.	3
A1.4.9.4	SUPPRESS FULL DATA BLOCK AFTER POINTOUT	3.7.1.1.3.8-00	POINTOUT CAPABILITY	3
		3.7.1.1.3.8-12	The full data block shall remain displayed of the pointout position until neither of the conditions causing automatic pointout exist or the controller receiving the pointout takes a manual action to inhibit the display.	3

Task Number	Task Stotement	Paragraph Number	Requirement	Pagi No
1.4.9.4 cont'd)	SUPPRESS FULL DATA BLOCK AFTER POINTOUT	5.7.1.2.1.2.1-00	TRACK CONTROL	361
cont <b>u</b> /		3.7.1.2.1.2.1-13	e. Force Data Block: Flight Identification.	36:
		3.7.1.2.1.2.1-14	e. Force Data Block: This message shall be used to cause or remove the forcing of the display of a full Data Block for an individual aircraft on a Situation Display.	36
1.4.9.5	DETERMINE RESPONSE TO POINTOUT	5.7.1.2.1.1.1-00	SITUATION DISPLAY	32
		3.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	32
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	3
(1.4.10.1	SELECT TRIAL PLAN FOR IMPLEMENTATION	3.7.1.1.4.2.5-00	IMPLEMENTING TRIAL PLANS AS FLIGHT PLANS	3:
		3.7.1.1.4.2.5-01	Once a Trial Plan is created, the controller shall have the capability to replace a Flight Plan with the Trial Plan or to designate the Trial Plan as a new Flight Plan.	3
		3.7.1.2.1.2.11-00	AUTCMATION PROCESSING MESSAGES	3
		3.7.1.2.1.2.11-11	e. Implement Trial Plan: Trial Plan Identification.	3
		3.7.1.2.1.2.11-12	e. Implement Trial Plan: This massage shall be used to establish a new Flight Plan from a Trial Plan or to replace an existing Flight Plan for an aircroft, which is under the control of the sector, with the specified Trial Plan.	
11.4.10.2	APPROVE CLEARANCE REQUEST	3.7.1.2.1.2.10-00	ATC MAIL	
1.4.10.6	ISSUE CLEARANCE THROUGH ATCT/ FSS FOR RELAY TO PILOT	3.7.1.2.1.2.10-00	ATC MATE	
11.4.10.7	VERIFY AIRCRAFT COMPLIANCE WITH CLEARANCE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	
		3.7.1,2.1.1.1.2-00	GEOGRAPHIC MAP DATA	
		3.7.1.2.1.1.1.5-20	TARGET AND TRACK DATA AND SYMBOLOGY	
		3.7.1.2.1.1.1.3-17	The controller shall be able to select and deselect the display of each category of target or track data and up to five previous positions of history data.	
		3.7.1.2.1.1.3-86	Movement of the displayed data block shall be minimal on a scan to-scan basis.	



Task Number	Task Statement	Puragraph Number	Requirement	Page No.
41,4,1 <b>6</b> .7 (contid)	VERIFY AIRCRAFT COMPLIANCE WITH CLEARANCE	3.7.1.2.1.1.1.4-00	TRACK VECTOR	336
		3.7.1.2.1.1.1.4-01	The Situation Display shall contain a velocity/distance vector associated with each track.	336
A1.4.18.9	CENY CLEARANCE REQUEST	3.7.1.2.1.2.10-00	ATC MAIL	391
A1.4.10.10	SUGGEST ALTERNATIVE TO CLEARANCE REQUEST FROM CONTROLLER	3.7.1.2.1.2.10-00	ATC MAIL	391
A1.4.10.11	RECEIVE TMU-GENERATED ABSORPTION MANEGVER	3.7.1.1.3.4.1.1.2-00	ARRIVAL METERING SCHEDULING AND DELAY PREDICTION	288
		3.7.1.1.3.4.1.1.2-01	The ACCC shall use the generated sequence to the octively metered airports to schedule each aircraft to satisfy the arrival rate restriction to that airport.	288
		3.7.1.1.3.4.1.1.2-02	The ACCC shall predict the delay required by each direcaft to meet its metered schedule and dilocate that delay in a fuel efficient manner to the arrival ACF, prior ACF, or on the ground at the departure dirport as appropriate.	288
		3.7.1.1.3.4.1.1.2-83	Delays shall be displayed at the appropriate metering and controller position.	266
		3.7.1.1.3.4.1.1.2-05	The ACCC shall allocate the obsorption of the predicted delay by the use of speed reductions, vectoring, holding, and ground delay.	28:
		3.7.1.1.3.4.1.1.2-05	After the ACCC has allocated the predicted delay to various absorption methods, the ACCC shall check the plan for aircraft-to-aircraft conflicts, aircraft-to-airspace conflicts, and flow restriction violations, before the plan is displayed to the controller.	28
		3.7.1.1,3.4.1.1.2-07	Any resulting conflicts or violations shall be disployed with the pian to the position controlling the aircraft.	28
		3.7.1.1.3.4.1.1.3-90	DETECTION OF ARRIVAL METERING ADVISORY ACTIVATION POINTS	28
		3.7.1,1,3,4,1,1,3-01	The ACCC shall provide the capability of determining the point in time for the generation of arrival metering delay absorption advisories.	28
		3.7.1.1.3.4.1.1.3-02	If the delay absorption advisories have been enabled by the metering personnel, the delay obsorption advisories shall be presented at the position currently in control of the aircraft and to the positions which are expected to have control within a parameter time.	28

Task Number	Task Stotement	Paragraph Number	Requirement	No No
1.4.10 11 cont'd)	RECEIVE TMU-GENERATED ABSORPTION MANEUVER	3.7.1.1.4.5-ชช	DETECTION OF FLOW RESTRICTION VIOLATIONS	31
		3.7.1.1.4.5-23	The restriction alert shall contain information to assist the controller in evaluating the restriction violation and subsequently determining the appropriate action.	3
1.4.18.12	ENTER ABSORPTION MANEUVER IMPLEMENTATION	5.7.1.1.3.4.1.1.2-00	ARRIVAL METERING SCHEDULING AND DELAY PREDICTION	2
		3,7,1,1,3,4,1,1,2-พี9	The controller shall be provided the capability to implement one or more of the metering planned aircraft specific delay obsorption maneuvers (e.g., speed reduction, hold) without having the controller enter a flight plan amendment message for those maneuvers.	2
		3.7.1.2.1.2.2-60	FL!GHT DATA CHANGES	3
		3.7.1.2.1.2.2-70	z. Implement Absorption Maneuver: Flight Identification.	
		3.7.1.2.1.2.2-71	z. Implement Absorption Maneuver: This message shall be used to implement a system generated absorption maneuver for a specific flight without the controller having to enter a flight plan amendment message.	
11,4,11,2	REQUEST SPECIFIED PLAN(S) FOR AIRCRAFT	3.7.1.1.3.3.1.2-00	AMEND FLIGHT PLAN DATA	
		3.7.1.1.3.3.1.2-13	The ACCC shall save the Flight Plan that was valid prior to a previous amendment.	
		5.7.1.1.3.3.1.2-14	The controller shall be able to retrieve this Flight Plan, modify it, and re-enter it as a new Flight Plan.	
		3.7.1.1.4.2.1-09	INITIATION AND TERMINATION OF TRIAL PLAN STORAGE	
		3.7.1.1.4.2.1-02	Trial Plan Processing shall allow the controller to enter, save, delete, retrieve, and modify Trial Plans.	
		3.7 1.4.2.1-84	Previously stored Flight Plan duta and Trial Plan data shall be available to the controller to build a Trial Plan for the specific aircraft.	
		3.7.1.2.1.2.11-00	AUTOMATION PROCESSING MESSAGES	
		3.7.1.2.1.2.11-09	d. Retrieve Plan: Trial Plan or Flight Plan Identification.	
		3.7.1.2.1.2.11-10	d. Retrieve Plan: This message shall be used to retrieve a previously stored Trial Plan or Flight Plan for Trial Plan Processing.	

Task Number	Task Statement	Panagnaph Number	Requirement	Page No
				$\dagger$
N1.4.11.3	RECEIVE NOTICE OF RETRIEVED TRIAL PLAN INVALUDITY	3.7.1.1.4.2.3-ē0	TRIAL PLAN OUTPUT DATA	30
		3.7.1.1.4.2.3.03	The ACCC shall notify a controller if a Trial Plan retrieved by the controller or identified by the controller is invalid for a specific aircraft.	30
		5 7.1.1.4.2.5 <del>1</del> 14	A Trial Plan shall be considered invalid if not acted upon by the controller after a specified ombunt of time (system parameter) from the time the Trial Plan was created.	30
A1,4,11,4	REVIEW RETRIEVED PLAN(S) FOR CORRECTNESS, APPROPRIATENESS TO TRAFFIC SITUATION	3.?.1.2.1 1.1-શ8	SITUATION DISPLAY	3.2
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.2-oo	FEIGHT DATA DISPLAY	3.
		3.7.1.2.1.1.2-05	An FDE shall be disployed for a Flight Plan or a Trial Plan.	3
		3.7.1.2.1,1.2-37	The Flight Data Rendout Area shall also contain up to four Trial Plan FDEs for a particular flight that is selected by the controller.	3
41,4,11,5	ENTER TRIAL PLAN	3,7,1,1,4,2,1-00	INITIATION AND TERMINATION OF TRIAL PLAN STORAGE	] 3
		3.7.1.1.4.2.1-02	Trial Plan Processing shall allow the controller to enter, save, delete, retrieve, and modify Trial Plans.	3
		3.7.1.1.4.2.1-83	Trial Plan storage shall be initiated upon entry of Trial Plan data by the controller or by Automation Processing as specified in Paragraphs 3.7.1.1.4.3 through 3.7.1.1.4.7.	3
		3 7.1.1.4.2.1-04	Previously stored Flight Plan data and Trial Plan data shall be available to the controller to build a Trial Plan for the specific aircraft.	
		5.7.1.2.1.2 11 20	AUTOMATION PROCESSING MESSAGES	
		3.7.1.2.1.2.11-02	a. Icial Plan Build: Flight Identification, (Fix), (Speed), (Altitude), (Route).	
		\$ 7.1.2.1.2.11-83	a. Trial Plan Build: This message shall be used to create a Trial Plan.	
A1.4.11.6	ENTER TRIAL PLAN AMENOMENT	3.7.1.1.4.2.1-00	INITIATION AND TERMINATION OF TRIAL PLAN STORAGE	
		3.7.1.1.4.2.1-02	Trial Plan Processing shall allow the controller to enter, save, delete, retrieve, and modify Trial Plans.	

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	NIER TRIAL PLAN AMENUMENI	3.7.1.2.1.2.11-80	AUTOMATION PROCESSING MESSAGES	392
cent'd)		5.7.1.2.1.2.11-84	b. Trial Plan Amendment: Trial Plan Identification, Field to be Modified, New Octa.	392
		3.7.1.2.1.2.11-85	b. Thiul Plan Amendment: This massage shall be used to modify, and to, or delete information from a previously entered Irial Plan.	39,
1,4,11,7	REQUEST QUICK TRIBE PERMING	3,7.1.2,1.2.11-ฮฮ	AUTOMATION PROCESSING MESSAGES	39.
		3.7.1.2.1.2.11-15	f. Quick Trial Planning: Flight Identification, Maneuver Type, (Maneuver Starting Range/Point).	39
		3.7.1.2.1.2.11-14	f. Quick Trial Planning: This message shall be used to initiate Quick Trial Planning to construct up to four Trial Plans.	39
		3.7.1.2.1.2.11-15	f. Quick Trial Planning: The Trial Plans shall be based on the maneuver type specified by the controller and, if specified, a maneuver starting range or point in time or distance.	39
		3.7.1.2.1.2.11-16	f. Quick Trial Planning: The maneuver types shall include altitude change, lateral route offset, speed change, and vectors.	3
11.4.11.8	REQUEST TRIAL PLAN ROUTE DISPLAY	3.7.1.2.1.1.1.16-90	FLIGHT PLAN CONFLICT/TRIAL PLAN DISPLAY	3
		3,7,1,2,1,1,1,16-81	The controller shall have the copobility to display and subsequently suppress predicted aircraft conflicts, predicted airspace conflicts, and Trajectories associated with Trial Plans.	3
		3.7.1.2.1.1.1.16.3-00	TRIAL PLAN ROUTE DISPLAY	3
		3.7.1.2.1.1.1.16.3-₫1	After a controller has entered a Triol Plan or the ACCC has created a Triol Plan, the controller shall be able to display the route of the aircraft associated with the Triol Plan.	3
		3.7,1.2.1.1.1.16.3-02	Conflicts or restriction violations shall be indicated on the route as appropriate.	1
41,4,11,11	EVALUATE ALERT OF PREDICTED PROBLEM WITH SPECIFIED PLAN AGAINST FLIGHT PLAN/ TRAFFIC/WCATHER	5.7.1.1.4. <b>3-80</b>	CETECTION OF AIRCRAFT-TO-AIRCRAFT CONFLICTS	
		3.7.1.1.4.3-15	When the ACCC detects a potential conflict in a Trial Plan, a Trial Plan alert shall be displayed and distinguishable from the priority and advisory alerts.	

Tusk Number	Tosk Statement	Puragraph Number	Requirement	No Page	
A1,4,17,11 (cont.'e)	EVALUME ALERT OF PREDICTED PROBLEM WITH SPECIFIED PLAN ACCURST FEIGHT PLANT TRAFFICH LEATHER	5.7.1.1.4.3.16	When a Irial Plan is checked for aircraft-to-aircraft conflicts, the response shall be a message inarcating no conflict or a message that identifies the aircraft in conflict, the sector currently controlling each aircraft, the sector containing possible violation and the time until (See SLS).	36	
		3.7.1.1.4.3-17	These messages shall be displayed to the position that originated the Trial Plan.	30	
		5.7.1.1.4.3-19	then a conflict is detected, the ACCC shall aisplay either a priority or advisory elect message.	3:0	
		3.7.1,1,4,4-80	DETECTION OF AIRCRAFT-TO-AIRSPACE CONFLICTS	30	
		5.7.1.1.4.4:15	When a check is made for an arroraft-to-airs pace conflict against a Trial Plan, then either a Trial Plan alert or a message indicating no conflict shall be displayed to the controller in whose sector the Trial Plan originated.	31	
		When a conflict is detected, the ACCC shall display either a priority or advisory alert message to the controller of the sector with control of the aircraft.	3		
		3,7,1,1,4,4-27	Priority and advisory alerts shall contain information to ussist the controller in evaluating the conflict and subsequently determining the appropriate action.	5	
		3.7.1.1.4.4-29	Upon detection of an Aircraft-to-Airspace Conflict with a strategic special use airspace, the ACCC shall generate a Trial Plan that routes the aircraft around the special use airspace in conflict.	3	
		3.7.1.1.4.5-00	DETECTION OF FLOW RESTRICTION VIOLATIONS	3	
		5.7.1.1.4.5-22 FFI	If restriction violations are detected in a Trial Plan, a restriction alort message shall be displayed to the controller in whose sector the Trial Plan originated.	3	
			If restriction violations are detected in flight Plans, a restriction alert message shall be displayed to the controller of the sector with control of the aircraft.	3	
		3.7.1.1.4.5-23 3.7.1.1.4.5-24	3.7.1.1.4.5-23	The restriction alert shall contain information to assist the controller in evaluating the restriction violation and subsequently determining the appropriate action.	
			3.7.1.1.4.5-24	The restriction alert message shall include the archaft callsign, the sector currently controlling the archaft, the restriction identification, and the restriction violation description.	

°as⊬ Nimber	Task Statement	Panagnaph Number	Requirement	Page No.
ing night Cartían	PREDICTED ACRES OF PREDICTED ACRES WITH SPECIFIED PLAN STATEMENT FEIGHT FLAN TRAFFIC ATTER	3,7,1,2,1,1,1-20	SITUATION DISPLAY	32.
		3.7.1,2.1,1,1.3-20 3.7.1,2.1,1,2-20	TARGET AND TRACK DATA AND SYMBOLOGY	33:
			FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1.2-36	In addition to the Flight Data Area, a Flight Data Readout Area shall be established to display all the flight data on one particular flight that is selected by the controller.	34
		3.7.1.2.1.1.2-37	The Flight Data Readout Area shall also contain up to four Trial Plan FDEs for a particular flight that is selected by the controller.	34
		3.7.1.2.1.1.10-00	WEATHER DISPLAY	36
		5.7.1.2.1.1.20-80	AERA ALERT DISPLAY	35
.5 4 17,12	HUGETVE ALERT OF PREDICTED PROBLEM WITH SPECIFIED PLAN	3,7,1,1,4,3+88	DETECTION OF AIRCRAFT-TO-AIRCRAFT CONFLICTS	3
		3,7,1,1,4,3-15	When the ACCC detects a potential conflict in a Trial Plan, a Trial Plan alert shall be displayed and distinguishable from the priority and advisory alerts.	31
		3,7,1,1,4,3-16	When a Trial Plan is checked for aircraft-to-aircraft conflicts, the response shall be a message indicating no conflict or a message that identifies the aircraft in conflict, the sector currently controlling each aircraft, the sector containing possible violation and the time until (See SLS).	3
		3,7,1-1,4,3-17	These messages shall be displayed to the position that originated the Trial Plan.	3
		3.7.1 1.4.3-19	When a conflict is detected, the ACCC shall display either a priority or advisory elect message.	1
		3.7.1.1.4.4-00	DETECTION OF AIRCRAFT-TO-AIRSPACE CONFLICTS	
		5.7,1.1,4.4-18	When a check is made for an aircraft-to-airs pace conflict against a Trial Plan, then either a Trial Plan alert or a message indicating no conflict shall be displayed to the controller in whose sector the Trial Plan originated.	
		5.7.1.1.4.4-28	When a conflict is detected, the ACCC shall display either a priority or advisory alert message to the controller of the sector with control of the aircraft.	

Task Number	Task Statement	Paragraph Number	Requirement	Page No.
1.4.11.12 cont'd)	RECEIVE ALERT OF PREDICTED PROBLEM WITH SPECIFIED PLAN	3.7.1.1.4.5-00	DETECTION OF FLOW RESTRICTION VIOLATIONS	31
		3.7.1.1.4.5-21	If restriction violations are detected in a Trial Plan, a restriction alert message shall be displayed to the controller in whose sector the Trial Plan originated.	51
		3.7,1.1,4.5-22	If restriction violations are detected in Flight Plans, a restriction alert message shall be displayed to the controller of the sector with control of the aircraft.	31
		3.7.1.2.1.1.20-00	AERA ALERT DISPLAY	36
		3.7.1.2.1.1.20-01	This logical display shall contain information relating to AERA alert conditions detected by the ACCC.	36
		3.7.1.2.1.1.20.02	a. The following are the general categories of alerts: Priority and advisory alerts of conflicts of an aircraft's trajectory with another aircraft's trajectory.	36
		3.7.1.2.1.1.20-03	b. The following are the general categories of alerts: Priority and advisory alerts of conflicts of an aircraft's trajectory with special use airspace.	3(
		3.7.1.2.1.1.20-04	c. The following are the general categories of alerts: Alerts of conflicts of an aircraft's trajectory with Traffic Management Restrictions.	3
A1.4.11.13	RECEIVE TRIAL PLAN NOTICE OF NO CONFLICT/ RESTRICTION VIOLATION	3.7.1.1.4.3-00	DETECTION OF AIRCRAFT-TO-AIRCRAFT CONFLICTS	3
		3.7.1.1.4.3-16	When a Trial Plan is checked for aircroft-to-aircroft conflicts, the response shall be a message indicating no conflict or a message that identifies the aircraft in conflict, the sector currently controlling each aircraft, the sector containing possible violation and the time until (See SLS).	3
		3.7.1.1.4.3-17	These messages shall be displayed to the position that originated the Trial Plan.	3
		3.7.1.1.4.4-00	DETECTION OF AIRCRAFT-TO-AIRSPACE CONFLICTS	1
		3.7.1.1.4.4-18	When a check is made for an aircraft-to-airs pace conflict against a Trial Plan, then either a Trial Plan alert or a message indicating no conflict shall be displayed to the controller in whose sector the Trial Plan originated.	
		3.7.1.1.4.5-00	DETECTION OF FLOW RESTRICTION VIOLATIONS	

Yask Number	Task Stutement	Paragraph Number	Requirement	Púge No.
41,4,11,13 (cont'd)	RECEIVE TRIAL PLAN NOTICE OF NO CONFLICT/ RESTRICTION VIOLATION	3.7.1.1.4.5-16	When a Trial Plan is checked for flow restriction violations and no violations are detected, then a message indicating no restriction violation shall be displayed to the controller in whose sector the Trial Plan originated.	312
		3.7.1 2.1.1.20-00	AERA ALERT DISPLAY	363
A1,4,11,14	DELETE TRIAL PLAN	5.7.1.1.4.2.1-00	INITIATION AND TERMINATION OF TRIAL PLAN STORAGE	306
		3.7.1.1.4.2.1-02	Trial Plan Processing shall allow the controller to enter, sove, delete, retrieve, and modify Trial Plans.	300
		3.7.1.2.1.2.11-00	AUTOMATION PROCESSING MESSAGES	392
		3.7.1.2.1.2.11-07	c. Save/Delete Trial Plan: Trial Plan Identification, Save/Delete Indication.	392
		3.7.1.2.1.2.11-08	c. Save/Delete Trial Plan: This message shall be used to delete a Trial Plan from storage or to save it from automatic deletion until specified otherwise.	392
31.4.11.15	ENTER TRIAL PLAN SAVE	5.7.1.1.4.2.1-00	INITIATION AND TERMINATION OF TRIAL PLAN STORAGE	50
		3.7.1.1.4.2.1-02	Trial Plan Processing shall allow the controller to enter, save, delete, retrieve, and modify Trial Plans.	30
		3.7.1.2.1.2.11-00	AUTOMATION PROCESSING MESSAGES	39
		3.7.1.2.1.2.11-07	c. Save/Delete Trial Plan: Trial Plan Identification, Save/Delete Indication.	39
		3.7.1.2.1.2.11-08	c. Save/Delete Trial Plan: This message shall be used to delete a Trial Plan from storage or to save it from automotic deletion until specified otherwise.	39.
A1.4.11.16	REQUEST AIRCRAFT CONFLICT DISPLAY	3.7.1.2.1.1.1,16-00	FLIGHT PLAN CONFLICT/TRIAL PLAN DISPLAY	33
		3.7.1.2.1.1.1.16-01	The controller shall have the capability to display and subsequently suppress predicted aircraft conflicts, predicted dirspace conflicts, and Trajectories associated with Irial Plans.	33
		3.7.1.2.1.1.1.16.1-00	AIRCRAFT CONFLICT DISPLAY	33
		3.7.1.2.1.1.15.1-01	After a flight plan conflict priority or advisory alert has been displayed to the controller, the controller shall be uble to display the routes of all discraft, the violation areas, and the callsign, the current controlling sector for each aircraft, the sector containing the (See SLS).	33

Task Number	Task Statement	Paragraph Number	Requirement	Png No
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1.4.11.12	REQUEST AIRSPACE CONFLICT DISPLAY	3.7.1.2.1.1.1.16-00	FLIGHT PLAN CONFLICT/TRIAL PLAN DISPLAY	33
		3.7.1.2.1.1.1.16-01	The controller shall have the capability to display and subsequently suppress predicted aircraft conflicts, predicted airspace conflicts, and Trajectories associated with Trial Plans.	3.3
		3.7.1.2.1.1.1.16.2-00	AIRSPACE CONFLICT DISPLAY	33
		3.7.1.2.1.1.1.16.2-01	After an airspace priority or odvisory alert has been displayed to the controller, the controller shall be able to display the special use airspace or terrain area and the route of the aircraft associated with the alert, the violation area, the callsign and current controlling sector (See SLS).	33
11.4.12.1	INHIBIT AUTOMATIC HANDOFF FOR ALL TRACKS OR FOR DESIGNATED TRACK	3.7.1.1.3.2.8.2-00	HANDOFF OF CONTROLLED TRACKS	2
		3.7.1.1.3.2.9.2-15	It shall be possible to inhibit the automatic handoff initiation capability by centroller action or through adoptation for all tracks entering a designated sector or facility, or for all tracks exiting a designated sector or facility.	2
		3.7.1.1.3.2.8.2-16	The controller shall also be able to inhibit automatic handoff initiation on a designated track.	i
		3.7.1.2.1.2.1-00	TRACK CONTROL	
		3.7.1.2.1.2.1-11	d. Enable/Inhibit Automatic Handoff: (Flight Identification), (Sector or Facility).	
		3.7.1.2.1.2.1-12	d. Enable/Inhibit Automatic Handoff: This message shall provide the capability for enabling or inhibiting the automatic handoff initiation function for the entering sector for a specified aircraft or for all flights to be handed off to a specified sector or facility.	
A1.4.12 2	RESTORE AUTOMATIC HANDOFF FOR ALL TRACKS OR FOR DESIGNATED TRACK	3.7.1.2.1.2.1-00	TRACK CONTROL	
		3.7.1.2.1.2.1-11	d. Enable/Inhibit Automotic Handoff: (Flight Identification), (Sector or Escility).	
		3.7.1.2.1.2.1-12	d. Enable/Inhibit Automatic Handoff: This message shall provide the capability for enabling or inhibiting the automatic handoff initiation function for the entering sector for a specified aircraft or for all flights to be handed off to a specified sector or fucility.	
	i .	1	1	- 1

Tosk Number	Task Statement	Panagnaph Number	Requirement	Page No.
A1,4,12.3 (cont'd)	RESTORE AUTOMATIC POINTOUT FOR SECTOR/ TRACK	3.7.1.1.3.8-14	The capability shall be provided for a controller to inhibit/restore automatic initiation of pointouts originating from his sector, to a specified facility, specified sector or on an individual track basis.	3Ø2
		3.7.1.2.1.2.1~00	TRACK CONTROL	368
		3.7.1.2.1.2.1-17	g. Enable/Inhibit Automatic Pointout: (Flight Identification), (Sector or Facility).	369
		3.7.1.2.1.2.1-18	g. Enable/Innibit Automatic Pointaut: This message shall be used to inhibit ar enable automatic initiation of pointaut ariginating from this sector, for a specified aircraft or for all flights approaching a specified sector or facility.	369
A1,4,12,4	INHIBIT AUTOMATIC POINTOUT FOR SECTOR/ TRACK	3.7.1.1.3.8-00	POINTOUT CAPABILITY	301
		3.7.1.1.3.8-14	The capability shall be provided for a controller to inhibit/restore automatic initiation of pointouts originating from his sector, to a specified facility, specified sector or on an individual track basis.	302
		3.7.1.2.1.2.1-00	TRACK CONTROL	368
		3.7.1.2.1.2.1-17	<pre>g. Enable/Inhibit Automatic Pointout:   (Flight Identification), (Sector or   Facility).</pre>	369
		3.7.1.2,1.2.1-18	g. Enable/Inhibit Automatic Pointaut: This message shall be used to inhibit or enable automatic initiation of pointaut originating from this sector, for a specified aircraft or for all flights approaching a specified sector or facility.	369
A1.4.13.4	DETERMINE FREQUENCY IN USE BY PECELVING SECTOR	3.7.1.2.1.1.8-80	SYSTEM STATUS DAYA DISPLAY	359
		3.7.1.2.1.1.8-92	The following doto cotegories shall be included: Communication Channel Assignments, Rodio Frequencies, Rodio Equipment Dutages and Repair Schedule, Rodar Equipment Outages and Repair Schedule, NAVAID Outages and Repair Schedule, NAVAID Maintenance Schedule, Sectorization Plan (See SLS).	<b>3</b> 51
		3.7.1.2.1.1.9-90	STATIC INFORMATION DISPLAY	315
		5.7.1.2.1 1.3-04	b. The following (textual) data shall be aisplayed: Airmons Information Manual, "Air Traffic Control" FAA Order 7118.65, Other Stotic Display Categories (Standard Operating Procedures, Letters of Agreement, Position Cherk Lists, NAVAID/Sector Frequencies), "Oceanie (See SLS).	36
		3.7.1.2.1.1.3-05	The copobility shall be provided to display data items selected from the above list.	36

Tosk Number	Task Statement	Paragraph Number	Requirement	Page No
				+
1.4.13.7	ISSUE ALTIMETER SETTING	5.7.1.2.1.1.3-00	AERCNAUTICAL AND METEOROLOGICAL DATA DISPLAY	34:
		3.7.1.2.1.1.3-02	These data are summarized in Table 3.7-6. (See SLS).	34
1,4.13.8	VERIFY AIRCRAFT AUTITUDE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	32
		3.7,1.2,1,1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	3
		3.7.1.2.1.1.1 3-38	The above target/track data shall be updated at the scan rate of the radar(s) from which the reports are received.	33
		3.7.1.2.1.1.2.1-00	FLIGHT DATA FIELDS	3
		3.7.1.2.1.1.2.1-03	Table 3.7-1 lists the Flight Plan Data fields with the maximum number of characters in the field. (See SLS).	3
1,4,14,1	DBSERVE TARGET ENTERING RADAR COVERAGE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	3
		3.7.1.2.1.1.1.3-01	The Situation Display shall contain selected information for the targets and trucks in the geographic area of concern.	
		3.7.1.2.1.1.3-12	All targets detected by surveilance sensors (transponder, radar or rodor reinforced transponder) shall be available for presentation on the Situation Display.	
		3.7.1.2.1.1.1.3-13	This data shall be presented as position symbols and data blocks.	1
		3.7.1.2.1.1.3-16	The Situation Display snall contain current position data for various categories of targets and tracks and position history data for targets.	3
		3.7.1.2.1.1.1.3-20	Track position symbols shall be placed at the target report position if a target report currelated during the most recent radar scan; otherwise, the track position symbol shall be at the predicted track position	
		3.7 1.2.1.1.1.3-21	Target position symbols shall be placed at the radar reported position and shall not be the same symbols as used to denote track positions.	
		3.7.1.2.1.1.1.3 23	<ul> <li>a. Turget position symbols shall be coded to denote whether the target is primary or beacon.</li> </ul>	
		3.7.1.2.1.1.1.3-24	a. Target position symbols shall distinguish between the classes of primary targets and cutegories of buacon targets.	

Task Number	Tusk Sta'ement	Paragraph Number	Requirement	Pag No
1,4,14,1 cont'd)	OBSERVE TARGET ENTERING RADAR COVERAGE	3.7.1.2.1.1.1.3-26	b. The ident indicator shall be coded within the target position symbol.	33
		3.7.1.2.1.1.1.3-40	The Situation Display shall also contain a FDB associated with certain tracks within the geographic area of concern.	33
		3.7.1.2.1.1.1.3-98	The Situation Display shall include Limited Data Blocks for all tracks which poss a controller specified filter and which do not have an associated Full Data Block or Partial Data Block.	3.
1.4.14.3	CCNDUCT RADAR [DENTIFICATION PROCEDURES	3.7.1.2.1.1.1.2-00	GEOGRAPHIC MAP DATA	3
		3.7.1.2.1.1.1.2-02	Map data shall be divided into many categories.	3
		3.7.1.2.1.1.1.2-03	These categories shall include, but not be limited to, several groups of fixes, several groups of airways, sector boundaries grouped by altitude, special use airspace boundaries, airports, obstructions, fixes, minimum vector altitudes (MVA), military routes, holding pattern (See SLS).	3
	3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	3	
		3.7.1.2.1.1.1.3-12	All targets detected by surveilance sensors (transponder, radar or rodar reinforced transponder) shall be available for presentation on the Situation Display.	3
		3.7.1.2.1.1.1.3~13	This data shall be presented as position symbols and data blocks.	
		3.7.1,2,1.1,1.3-16	The Situation Display shall contain current position data for various categories of target; and tracks and position history data for targets.	
		3.7.1.2.1.1.1.3-20	Track position symbols shall be placed at the target report position if a target report correlated during the most recent radar scan; otherwise, the track position symbol shall be at the predicted track position.	
		3.7.1.2.1.1.1.3 21	Target position symbols shall be placed at the radar reported position and shall not be the same symbols as used to denote track positions.	
		3.7.1.2.1.1.1.3-23	a. Tanget position symbols shall be coded to denote whether the tanget is primary or beacon.	
		3.7.1.2.1.1.1.3-24	a. Torget position symbols shall distinguish between the classes of primary targets and cotegories of beacon targets.	
	j			

Task Number	Tosk Statement	Poragraph Number	Requirement	No.
A1.4.14.3 (cont'a)	CONDUCT RADAR IDENTIFICATION PROCEDURES	3.7.1.2.1.1.1.3-26	b. The rowne indicator shall be coded within the target position symbol.	33
		3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adoptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Irdicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33:
		5.7.1.2.1.1.1.3-99	The LDB shall include the following information, as available: Mode 3/A Code, Mode S indicator/Mode S data link indicator (whichever one is available), Mode C altitude, Ground speed, Aircraft special condition (e.g., emergency/hijack, etc.).	33i
41.5.1.1	CBSEPLE DISPLAY OF WEATHER LINE INTENSITY/ BASE/ HEIGHT/ MOVEMENT	3.7.1.1.3.6.1-00	PROCESSING OF GRAPHIC WEATHER DATA	29
		3.7.1.1.3.6.1-01	a. The ACCC shall accept from the RWP and process: rador weather products depicting real-time precipitation and turbulence.	29
		3.7.1.1.3.6.1-02	b. The ACCC shall accept from the RWP and process: hazardous weather area outlines showing the current and predicted areas of hazardous weather.	29
		3.7.1.1.3.6.1-33	c. The ACCC shall accept from the RWP and process: outlines showing areas where Instrument Meteorological Conditions exist.	29
		3.7.1.1.3.6.1-04	d. The ACCC snall accept from the RWP and process: rador weather products depicting maps of Point Data Products.	25
		3.7. 1.3.6.1-05	The ACCC shall accept and process weather data from ATC radors and display the weather data.	2
		3.7.1.1.3.6.1-06	The ACCC shall store this graphic ATC weather information and distribute it to operational positions and associated TCCCs based on adaptation or an request by the controllers.	2
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1.2.1.1.7-00	GRAPHIC WEATHER FROM ATC RADARS	3
		3.7.1.2.1.1.1.7-01	The Situation Display shall, at the controller's option, display graphic weather constructed from data obtained from Air Traffic Control rodars.	3
		3.7.1,2.1.1.8-00	GRAPHIC WEATHER FROM REAL TIME WEATHER PROCESSOR (RWP)	3

Tosk Number	Task Statement	Paragraph Number	Requirement	Page No.	
A1.5.1.1 (cont'd)	OBSERVE DISPLAY OF HEATHER LINE/ INTENSITY/ BASE/ HEIGHT/ MUVEMENT	3.7.1.2.1.1.1.8-01	The Situation Display shell, at the option of the controller, display weather products obtained from the Real Time Weather processor.	337	
		3.7.1.2.1.1.1.8-07	It shall be possible to select for concurrent display six intensity levels of layered precipitation, six intensity level of layered turbulence, the echa tops mosaic, one hazardous weather area outline product, one IFR area outline product, and the point data mosaic product.	337	
		3.7.1.2.1.1.1.8-#9	Multiple intensity levels displayed for a product shall be easily distinguishable.	337	
		3.7.1.2.1.1.10-ປ0	WEATHER DISPLAY	361	
		3.7.1.2.1.1.10-01	This logical display shall present three dimensional graphic weather products obtained from the Real Time Weather Processor (RWP).	361	
		3.7.1.2.1.10-07	3.7.1.2.1.3.10-07	It shall be possible to select for concurrent display six intensity levels of layered precipitation, six intensity levels of layered turbulence, the echo tops mosaic, and huzardous weather area outline product, one IFR area outline product, and the point data mosaic product.	361
		3.7.1.2.1.1.10-09	Multiple intensity levels displayed for a product shall be easily distinguishable.	361	
A1.5.1.2	DETECT A&M ALERT	5.7.1.1.3.6.2-00	ALPHANUMERIC WEATHER DATA	291	
		3.7.1.1.3.6.2-11	PIREP messages designated as urgent by the RWP shall be sent to all applicable sectors as an olert.	29	
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	32	
		3.7.1.2.1.1.1.8-00	GRAPHIC WEATHER FROM REAL TIME WEATHER PROCESSOR (RWP)	331	
		3.7.1.2.1.1.1.8-02	Hazardous Area Outlines shall be coded to denote current areas, predicted areas, the type of weather, and hazardous weather alerts.	33	
		5.7.1.2.1.1.1.8-05	Hazardous weather alerts shall be coded to draw immediate attention and shall remain in effect until acknowledged by the controller.	33	
		3.7.1.2.1.1.3-00	AERONAUTICAL AND METEUROLOGICAL DATA DISPLAY	34	
		3.7.1.2.1.1.3-06	Urgent PIREPs which are forced shall be coded os an alert to gain the receiving controller's immediate attention.	34	

A1,5,1,2  CIECT ANM ALEXT  5.7,1,2,1,1,3-89  d. Posting - 1) Significant coronoutical and exteroalogical activity analyte alerted to the posting for his review. He shall be alerted to the posting for his review. He shall be alerted to the posting for his review. He shall be alerted to the posting for his review. He shall be alerted to the posting for his review. He shall be alerted to the post posting for his review. He shall be alerted to the post posting for his review. He shall be alerted to the post posting for his review and the shall be alerted to all the controller shall heve the copability to reduce an diert that resulting for host received periodically. The controller shall heve the copability to receive an diert that resulting for his review and submitted that a shall be alerted to a controller shall have the copability to receive an diert that resulting for his review and submitted that the shall be alerted to a controller shall be alerted to the post post post post post post post post	Task Number	Task Statement	Peragraph Number	Requirement	Pag No
or hot received periodically, the controller shall have the combination shall have the combination of the co		CETECT ARM ALERT	3.7.1.2.1.1.3-08	meteorological activity shall be alerted to the controller for his review. He shall be able to save or delete the alert from the	34
METEORCLOGIST  3.7.1.1.3.6-80  3.7.1.1.3.6-81  DEATHER PROCESSING CAPABILITY  The ACCC sholl occupt and process weather data from the RNP, AIC radars, and controllers.  3.7.1.1.3.6.2-30  ALPHANAMERIC MEATHER DATA  The ACCC sholl accept AMM Data change messages and PIREP messages from the controllers.  3.7.1.1.3.6.2-14  The ACCC sholl accept AMM Data change messages and PIREP messages from the controllers.  3.7.1.2.1.2.3-36  AERONAUTICAL AND METEOROLOGICAL DATA CHANGES  3.7.1.2.1.2.3-86  C. PIREP: (Flight Identification), (Type Aircraft), (Teach of the Aircraft), (T			3.7.1.2.1.1.3-17	are not received periodically, the controller shall have the capability to receive an alert that requires an acknowledgment before update or to have the data types already displayed updated	3:
Ine ACCC shall accept and process weather data from the RMP, AIC rodors, and controllers.  5.7.1.1.5.6.2-88  ALPHANIMERIC MEATHER DATA  The ACCC shall accept ARM Data change messages and PIREP messages from the controllers, and amend the appropriate AAS data base files.  3.7.1.2.1.2.3-88  AERONAUICAL AND METEORULOGICAL DATA CHANGES  c. PIREP: (Flight Identification), (Type Aircraft), (Locution), (Time), (Coordination), Text.  c. PIREP: This message shall be used to generate and route a pilot report to the RMP and cry designated ACCC positions or associated Idea that are included in the Coordination field.  5.7.1.2.1.2.5-89  c. PIREP: Either flight identification or type must be entered.  3.7.1.2.1.2.5-89  c. PIREP: Either flight identification must be observed.  c. PIREP: If type but not flight identification is provided, then location must also be provided, then location must also be provided.  c. PIREP: If flight identification but not type is provided, then type shall be provided by the AAS based on the flight data base.  5.7.1.2.1.2.5-11  c. PIREP: Hope location and time are not provided by the Captraller, they shall be provided by the Captraller, they shall be provided by the Captraller, they shall be provided by the Captraller. They shall be provided by the Captra	1.5,1.3		3.7.1.2.1.2.10-00	ATC MAIL	3
dota from the RMP, ATC radars, and controllers.  3.7.1.1.3.6.2-80  ALPHAMMERIC MEATHER DATA  The ACCC shall accept ASM Data change messages and PIREP messages from the controllers, and amend the appropriate AAS data base files.  3.7.1.2.1.2.3-86  AERONAUTICAL AND METEORULOGICAL DATA CHANGES  c. PIREP: (Flight Identification), (Type Aircraft), (Location), (Time), (Coordination) Text.  c. PIREP: This message shall be used to generate and route a pilot report to the RMP and try designated ACCC positions or associated locus that are included in the Coordination field.  3.7.1.2.1.2.3-80  c. PIREP: Either flight identification or type must be antered.  c. PIREP: If type but not flight identification is provided, then location must also be provided, then location must also be provided.  c. PIREP: If flight identification but not type is provided, then type shall be provided by the AAS based on current time and present position of the aircraft.	1.5.1.4	ENTER PIREP INTO SYSTEM	3.7.1.1.3.6-00	WEATHER PROCESSING CAPABILITY	7
The ACCC shall accept A&M Data change messages and PIREP messages from the controllers, and amend the appropriate AAS data base files.  5.7.1.2.1.2.3-88  AERONAWICAL AND METEORULOGICAL UAIA CHANGES  5.7.1.2.1.2.3-86  c. PIREP: (flight Identification), (Type Aircraft), (Location), (Time), (Coordination), Text.  5.7.1.2.1.2.3-87  c. PIREP: This message shall be used to generate and route a pilot report to the RAP and the designated ACCC positions or associated ICCCs that are included in the Coordination field.  5.7.1.2.1.2.3-89  c. PIREP: Either flight identification or type must be entered.  c. PIREP: If type but not flight identification must also be provided, then location must also be provided, then location must also be provided, then type shall be provided by the AAS based on the flight data base.  5.7.1.2.1.2.3-11  c. PIREP: When location and time are not provided by the cantroller, they shall be provided by the AAS based on current time and present position of the aircraft.			3.7.1.1.3.6-01	data from the RWP, ATC radars, and	3
messages and PIREP messages from the controllers, and amend the appropriate AAS data base files.  5.7.1.2.1.2.3-88  AERONAUICAL AND METEOROLOGICAL DAIA CHANSES  C. PIREP: (Flight Identification), (Type Aircraft), (Location), (Time), (Coordination), (Time), (Time), (Coordination), (Time), (Time), (Coordination), (Time), (Coordination), (Time), (Coordination), (Time), (Coordination), (Time), (Coordination), (Time			5.7.1.1.3.6.2-00	ALPHANUMERIC WEATHER DATA	
c. PIREP: (Flight Identification), (Type Aircraft), (Location), (Time), (Coordination), Text.  3.7.1.2.1.2.3-07  c. PIREP: This message shall be used to generate and route a pilot report to the RNP and chy designated ACCC positions or associated ICCCs that are included in the Coordination field.  3.7.1.2.1.2.3-09  c. PIREP: Either flight identification or type must be entered.  3.7.1.2.1.2.3-09  c. PIREP: If type but not flight identification is provided, then location must also be provided, then location must also be provided, then type shall be provided by the AAS based on the flight data base.  5.7.1.2.1.2.3-11  c. PIREP: When location and time are not provided by the cantroller, they shall be provided by the AAS based on current time and present position of the aircraft.			3.7.1.1.3.6.2-14	messages and PIREP messages from the controllers, and amend the appropriate AAS	
Aircroft), (Location), (Time), (Coordination), Text.  3.7.1.2.1.2.3-07  c. PIREP: This message shall be used to generate and route a pilot report to the RNP and chy designated ACCC positions or associated ICCCs that are included in the Coordination field.  3.7.1.2.1.2.3-08  c. PIREP: Either flight identification or type must be entered.  3.7.1.2.1.2.3-09  c. PIREP: If type but not flight identification but not destrict in the identification is provided, then location must also be provided, then type shall be provided by the AAS based on the flight data base.  5.7.1.2.1.2.3-11  c. PIREP: When location and time are not provided by the Controller, they shall be provided by the Controller, they shall be provided by the AAS based on current time and present position of the aircraft.			3.7.1.2.1.2.3-00	AERONAUTICAL AND METEOROLOGICAL DATA CHANGES	
generate and route a pilot report to the RNP and chy designated ACCC positions or associated TCCCs that are included in the Coordination field.  3.7.1.2.1.2.3-08  c. PIREP: Either flight identification or type must be entered.  c. PIREP: If type but not flight identification in must also be provided, then location must also be provided, then location but not type is provided, then type shall be provided by the AAS based on the flight data base.  5.7.1.2.1.2.3-11  c. PIREP: When location and time are not provided by the AAS based on current time and present position of the aircraft.			3.7.1.2.1.2.3-ค6	Aircruft), (Location), (Time),	
3.7.1.2.1.2.3-09  c. PIREP: If type but not flight identification is provided, then location must also be provided.  c. PIREP: If flight identification but not type is provided, then type shall be provided by the AAS based on the flight data base.  5.7.1.2.1.2.3-11  c. PIREP: When location and time are not provided by the controller, they shall be provided by the AAS based on current time and present position of the aircraft.			3.7.1.2.1.2.3-07	generate and route a pilot report to the RWP and any designated ACCC positions or associated TCCCs that are included in the	
identification is provided, then location must also be provided.  3.7.1.2.i.2.3-10  c. PIREP: If flight identification but not type is provided, then type shall be provided by the AAS based on the flight data base.  5.7.1.2.1.2.3-11  c. PIREP: When location and time are not provided by the controller, they shall be provided by the AAS based on current time and present position of the aircraft.			3.7.1.2.1.2.3-08		
type is provided, then type shall be provided by the AAS based on the flight data base.  5.7.1.2.1.2.3-11  c. PIREP: When location and time are not provided by the controller, they shall be provided by the AAS based on current time and present position of the aircraft.			3.7.1.2.1.2.3-09	identification is provided, then location	
provided by the controller, they shall be provided by the AAS based on current time and present position of the aircraft.			3.7.1.2.1.2.3-10	type is provided, then type shall be provided by the AAS based on the flight data	
41.5.1.8 RECEIVE PIREP ON WEATHER 3.7.1.1.3.6.2-00 ALPHANUMERIC WEATHER DATA			5.7.1.2.1.2.3-11	provided by the controller, they shall be provided by the AAS based on current time	
	41,5,1,8	RESERVE PIREP ON WEATHER	3.7.1.1.3.6.2-00	ALPHANUMERIC WEATHER DATA	

Task Number	「ask Statement	Paragraph Number	Requirement	Poge Nc.
A1.5.1.9 (cont'd)	RECEIVE PIREP ON WEATHER	3.7.1.1.3.6.2-10	Additionally, controllers shall be able to request PIREPs by geographic area around a fix or by geographic area along a line from fix-to-fix and optionally provide altitude limits.	298
		3.7.1.1.3.6.2-11	PIREP messages designated as urgent by the RNP shall be sent to all applicable sectors as an alert.	299
		3.7.1.1.3.6.2-15	The ACCC shall also route PIREP messages to the RWP and to positions designated in the coordination field of a PIREP message.	299
		3.7.1.2.1.1.3-00	AERONAUTICAL AND METEOROLOGICAL DATA DISPLAY	349
		3.7.1.2.1.1.3-#2	These data are summarized in Table 3.7-6, (See SLS).	349
		3.7.1.2.1.1.3-07	The capability to process MMSC data shall be included in the ACCC for use prior to RWP availability.	349
41.5.1.3	ISSUE WEATHER/ ADVISORY/ UPDAIE TO PILOT/ ANOTHER CONTROLLER	3.7.1.2.1.2.10-00	ATC MAIL	391
41.5.1.10	INFORM SUPERVISUR/ TMC OF MEATHER IMPACT ON ROUTES/ FLOW	3.7.1.2.1.2.10-00	ATC MAIL	391
A1.5,1.11	REQUEST WEATHER INFORMATION	3.7.1.1.3.6-00	WEATHER PROCESSING CAPABILITY	207
		3.7.1.1.3.6-02	The ACCC shall segment and distribute all weather products within the computer complex and to associated TCCCs based on adaptation or an request by the controllers.	297
		3.7.1.1.3.6.1-00	PROCESSING OF GRAPHIC WEATHER DATA	297
		3.7,1,1.3.6,1-05	The ACCC shall accept and process weather data from ATC radors and display the weather data.	298
		3.7.1.1.3.6.1-06	The ACCC shall store this graphic ATC weather information and distribute it to operational positions and associated TCCCs based on adaptation or an request by the controllers.	298
		3.7.1.1.3.6.1-07	The ACCC shall send updates to operational positions and TCCCs for weather data currently being displayed.	298
		3.7.1.1.3.6.2-00	ALPHANUMERIC WEATHER DATA	298
		3.7.1.1.3.6.2-06	The ACCC shall store these alphanumeric weather products and distribute them to operational positions and associated TCCCs based on adoptation and an request by the controllers.	298

Task Number	Task Statement	Paragraph Number	Requirement	F a c
.1.5.1.11 cont'd)	REQUEST LIEATHER INFORMATION	3.7.1.1.3.6.2-10	Additionally, controllers shall be able to request PIREPs by geographic area around a fix or by geographic area along a line from fix-to-fix and optionally provide altitude limits.	25
		3.7.1.2.1.1.1.7-ยต	GRAPHIC WEATHER FROM ATC RADARS	3.
		3.7,1.2.1,1,1.7-01	The Situation Display shall, at the controller's option, display graphic weather constructed from dota obtained from Air Traffic Control radars.	3
		5.7.1.2.1.1.1.8-00	GRAPHIC WEATHER FROM REAL TIME WEATHER PROCESSOR (RWP)	3
		3.7.1.2.1.1.1.8-01	The Situation Display shall, at the option of the controller, display weather products obtained from the Real Time Weather processor.	3
		3.7.1.2.1.1.3-00	AERONAUTICAL AND METEOROLOGICAL DATA DISPLAY	3
	3.7.1.2.1.1.3-04	The capability shall be provided to access and display PIREPs by a specified geographic area, route, or altitude stratum, based on controller request.		
	·	3.7.1.2.1.1.3-09	d. Posting - 2) The controller shall have the capability to query the A&M data base for information using appropriate input messages. The data shall be shown to the controller in the Response Area. He shall be able to save or delete the information from display.	
		5.7.1.2.1.1.7-00	AIRPORT ENVIRONMENTAL DATA DISPLAY	
		3.7.1.2.1.1.7-07	The controller shall have the capability to select the types of data to be displayed on this logical display.	
		3.7.1.2.1.2.10-20	ATC MAIL	
11.5.1.12	RECEIVE WEATHER ADVISORY FROM ANOTHER CONTROLLER/ SUPERVISOR/ METEOROLOGIST	3.7.1.2.1.2.10-00	ATC MAIL	
A1.5.1.13	RECEIVE CONTROLLER REQUEST FOR HEATHER INFORMATION	3.7.1.2.1.2.10-00	ATC MAIL	
1.5,1,14	FORWARD WEATHER INFORMATION TO SUPERVISOR/ METEOROLOGIST	3.7.1.2.1.2.10-00	ATC MAIL	
1.5.7.15	RECEIVE NEW ROUTING FOR WEATHER AVOIDANCE FROM SUPERVISOR/ TMC	3.7.1.2.1.1.2.1-00	FLIGHT DATA FIELDS	
		3.7.1.2.1.1.2.1-05	Table 3.7-1 lists the Flight Plan Data fields with the maximum number of characters in the field. (See SLS).	

Task Number	Took Statement	Paragraph Number	Requirement	Page No.
A1.5.1.15 (cent'd)	RECEIVE NEW ROUTING FOR WEATHER AVOIDANCE FROM SUPERVISOR/ TMC	3.7,1.2.1,1.2.1-04	Route Information shall be displayed occording to the following order of precedence: Preferential Route, Route of Flight, and Remarks.	341
		3.7.1.2.1.1.2.1-89	The copobility shall be provided to display/delete FDE notations (FDENs) in specified fields of FDEs.	342
		3.7.1.2.1.1.2.1-8ð	u. The following FDEN cotegories shall be provided: An FDEN associated with the Route field shall denote a SWAP or preferential route.	345
		3.7.1.2.1.1.2.1-81	u. The Route field in conjunction with the FDEN shall provide for display of both the SHAP or preferential route and the associated segment of the filed route.	345
		3.7,1.2.1.1.5.8-00	TRAFFIC MANAGEMENT ADVISORY LIST	<b>3</b> 54
		3.7.1.2.1.1.5.8-94	At least these types of flow restriction entries shall be supported: All Flights on Airways/No Directs, Flights on Specific Airways or Over a Specific Fix, Specified Times Between Flights, Specified Miles-in-Trail Between Flights, Meter Fix Time or Boundary Crossing Time, and (See SLS).	354
		3.7.1.2.1.2.6-ชช	TRAFFIC MANAGEMENT DATA CHANGES	382
-		3.7.1.2.1.2.6-38	p. Reroute Oato for Severe Weother Avoidance Program (SWAP): This SWAP message shall reroute all flights which have not yet departed that have a filed route going from the departure airport to the arrival airport via a specific alternate coded SWAP route.	385
		3 7.1.2.1.2.10-00	ATC MAIL	39
A1.5.1.17	EVALUATE IMPACT OF NEW ASM CONDITION	3.7.1.1.3.6.2-ศต	ALPHANUMERIC WEATHER DATA	291
		3.7.1.1.3.6.2-01	The ACCC shall process the following alphanumeric weather products from the RuP: Surface Observation, Terminal Forecast, Grid Winds and Temperatures Aloft, PIREP, Center Leather Advisory, SIGMET, Convective SIGNET, AIRMET, Area Forecast, Meteorological Impact Statement, General (See SLS).	291
		3.7.1.1.3.6.2-#6	The ACCC shall store these alphanumeric weather products and distribute them to operational positions and associated ICCCs based on adaptation and an request by the controllers.	29
		3.7.1.1.3.\$.2-09	The ACCC shall send updates to operational positions and TCCCs for alphanumeric weather products currently being displayed.	29

Task Number	Task Statement	Panagnaph Number	Requirement	No.		
1.5.1.17 cent'd)	EVALUATE IMPACT OF NEW ASM CONDITION	3.7.1.1.3.6.2-16	Free-Text olphunumeric messages, termed General Information Messages, shall also be received by the ACCC and displayed at adapted positions.	2		
		3.7.1.2.1.1.3-00	AERONAUTICAL AND METEOROGOGICAL DATA DISPLAY	3		
		5.7.1.2.1.1.3 01	This logical display shall contain information directly affecting flight operations but not related to a specific flight.	3		
		3.7.1.2.1.1.3 02	These data are summarized in Table 3.7-6. (See SLS).	3		
		3.7.1.2.1.1.3-88	d. Posting - 1) Significant deronautical and meteoralogical activity shall be alerted to the controller for his review. He shall be able to save or delete the alert from the display.	3		
		5.7.1.2.1.1.3-15	i. Updating - If data base invormation is changed for these types (periodically updated) whose station or location ID is displayed in the A&M Data Display, a time-tagged update shall as made to the displayed auta.	3		
		3.7.1	3.7.1.2.1.1.3-16	3.7.1.2.1.1.3-16	f. Updating - Updates to the meteorological aisplay shall be coded to show the controller that an update has occurred	
		3.7.1.2.1.1.3-18	f. Updating - An appropriate mechanism shall be used to show the controller that an automatic update occurred.			
1.5.1.16	REQUEST SUPERVISOR/ IMC TO RELEASE AIRSPACE	3.7.1.2.1 2.10-00	ATC MAIL			
11.5.1.19	REQUEST SUPERVISOR/ TMC TO DEFINE ALC ALRSPACE	3.7.1.2.1.2.10-00	ATC MAIL			
41.5.1.20	ACKNOWLEDGE ASM ALERT	3.7.1.2.1.1.1-40	SITUATION DISPLAY			
		3 7.1.2.1.1.1.8-00	GRAPHIC WEATHER FROM REAL TIME WEATHER PROCESSOR (RWP)			
		3.7.1,2.1,1.1,8-05	Hazardeus weather alerts shall be coded to draw immediate attention and shall remain in effect until acknowledged by t'; controller.			
		3.7.1.2.1 1.3-80	AFRONAUTICAL AND METEOROLOGICAL DATA DISPLAY			
		3.7.1,2.1.1.3-08	d. Posting - 1) Significant deronautical and meteorological activity shall be diented to the controller for his review. He shall be oble to suve or delete the dient from the display.			

Task Number	las∗ Statement	Panagnaph Number	Requirement	Page No.
11 5 1.27 motis	ATKNOLEGGE AWY ALERT	5.7.1.2.1.1.5-37	f. Updating - For updates to A&M data that are not received periodically, the controller shall have the capability to receive an alert that requires an acknowledgment before update or to have the data types already displayed updated automatically.	350
		3.7.1.2.1.1.3-19	f. Updating - The time of acknowledgement by the controller shall be maintained.	350
		3.7.1.2.1.1.7-80	AIRPORT ENVIRONMENTAL DATA DISPLAY	<b>3</b> 58
		3.7,1.2.1.1.7-11	As established through adaptation, selected acts items (e.g., closed runways, DASI, etc.) shall be emphasized to indicate to the controller that an automatic update has occurred on the display.	<b>3</b> 59
		3.7,1,2,1,1,7-13	The data shall remain emphasized for either an adopted time period or until the controller deselects the emphasis.	₹59
11.5.1.21	FIREWARD URGENT PIREP TO OTHER TOWN ROLLER	3.7.1.1.3.E.2-00	ALPHANUMERIC WEATHER DATA	298
		3.7.1.1.3.6.2-15	The ACCC shall also route PIREP messages to the RWP and to positions designated in the coordination field of a PIREP message.	299
		3.7.1.2.1.1.3-00	AERONAUTICAL AND METEOROLOGI L DATA DISPLAY	349
		3.7.1.2.1.1.3-05	Controllers shall also have the capability to 'force' the display of PIREPs to other sectors.	349
		3.7.1.2.1.1.3-06	Urgent PIREPs which are forced shall be coded as an alert to gain the receiving controller's immediate attention.	349
41,5,1,22	ENTER AIPPORT ENVIRONMENTAL CATA INTO SYSTEM	3.7.1.1.3.6.2-00	ALPHANUMERIC WEATHER DATA	296
		3.7 1.1.3.6.2-84	Also, the controller shall be able to update the altimeter setting.	298
		3.7.1.2.1.2.3-00	AEROMAUTICAL AND METEOROLOGICAL DATA CHANGES	379
		5.7.1.2.1.2.3-15	d. Sensor Override: This message shall be used to control the occeptance of data received from an airport environmenta sensor.	381
		5.7.1.2.1.2.3-14	d. Sensor Override: When an dirport environmental sensor is determined to be faulty, the copobility shall be provided to inhibit the data from entering the system data base.	38

	Task to	o Requirement Traceat	bility Matrix	Page
Task Number	Task Statement	Paragraph Number	Requirement	Nó.
A1,5.1,22 (cont'd)	ENTER AIRPORT ENVIRONMENTAL DATA INTO SYSTEM	3,7,1,2,1,2,3-16	d. Sensor Override: At the time or inhibit data message is entered, the capability shall be provided to optionally input a fallback value for the sensor.	380
		3.7.1.2.1.2.3-18	d. Sensor Override: If a fallback value is not provided at the time an inhibit data message is entered, the capability shall be provided to enter a value at a later time provided a permit data action was not taken during the interim time period.	380
		3.7.1.2.1.2.3-19	d. Sensor Override: When this fallback value is provided, it shall be displayed in lieu of the data sent by the sensor.	380
A1.5.2.1	RECEIVE AIRPORT SPECIFIC NOTAM	3.7.1.1.10-00	NOTICE TO AIRMEN PROCESSING CAPABILITY	319
		3.7.1,1.10-01	The copobility shall be provided by the ACCC to accept NOTAMs from the Consolidated NOTAM System and distribute them to the appropriate ACCC and TCCC positions.	319
		3.7.1.1.10-02	The capability shall be provided to split NOTAMs among lagical displays which will be dependent on the information contained in the NOTAM.	319
		3.7.1.1.10-03	NOTAMs amplicable to specific airports shall be displayed with that airport on the Airport Environmental Data Display.	319
	·	3.7.1.2.1.1.7-00	AIRPORT ENVIRONMENTAL DATA DISPLAY	358
		3.7.1.2.1.1.7-12	For example, NOTAM data such as bruking oction shall be continuously updated and emphasized when a change in reported value occurs.	359
		5.7.1.2.1.2.10-00	ATC MAIL	391
A1.5.2.2	RECEIVE HEATHER REPORT HPDATE (E.G., HOURLY SURFACE OBSERVATION)	3.7.1.1.3.5.2-00	ALPHANIMERIC WEATHER DATA	238
		3.7.1.1.3.6.2-01	The ACCC shall process the following alphanumeric weather products from the RWP: Surface Observation, Terminal Forecast, Grid Winds and Temporatures Aloft, PIREP, Center Weather Advisory, SIGMET, Convective SIGMET, AIRMET, Area Forecast, Meteorological Impact Statement, General (See SLS).	298
		3.7.1.1.3.6.2-02	Surface Observations and Terminal Forecasts shall be stored for adapted reporting stations.	290
		3.7.1.1.3.6.2-06	The ACCC shall store these alphanumeric weather products and distribute them to operational positions and associated TCCCs based on adaptation and on request by the controllers.	23
<u> </u>	<u> </u>	<u> </u>		1

	Tudk t	o Requirement Traceat		Page
Task Number	Task Statement	Paragraph Number	Requirement	No.
41.5.2.2 (cont'd)	RECEIVE WEATHER REPORT UPDATE (E.G., HOURLY SURFACE OBSERVATION)	3.7.1.2.1.1.3-00	AERONAUTICAL AND METEOROLOGICAL DATA DISPLAY	349
		3.2.1.2.1.1.3-01	This logical display shall contain information directly affecting flight operations but not related to a specific flight.	349
		3.7.1.2.1.1.3-02	These data are summarized in Table 3.7-6. (See SLS).	349
		3.7.1.2.1.1.3-15	f. Updating - If data base information is changed for these types (periodically updated) whose station or location ID is displayed in the A&M Data Display, a time-tagged update shall be made to the displayed data.	349
		3.7.1.2.1.2.10-00	ATC MAIL	391
A1.5.2.3	OETERMINE WHETHER USABLE FLIGHT LEVEL HAS CHANGED	3.7.1.2.1.1.3-00	AERONAUTICAL AND METEUROLOGICAL DATA DISPLAY	349
		3.7.1.2.1.1.3-02	These data are summarized in Table 3.7-6. (See SLS).	349
A1.5.2.4	DETERMINE WHETHER RUMWAY CONDITIONS HAVE CHANGED	3.7.1.1.3.7.2-00	ENVIRONMENTAL AND STATUS DATA PROCESSING	299
		5.7.1.1.3.7.2-02	a. Airport Environmental Data - The ACCC shall accept temperature, centerfield winds (speed and direction), ceiling, visibility, borometric pressure, Rumway Visual Range, Low Level Wind Shear Alert, and vortex advisory data.	300
		3.7.1.2.1.1.3-00	AERONAUTICAL AND METEOROLOGICAL DATA DISPLAY	349
		3.7.1.2.1.1.3-01	This logical display shall centain information directly affecting flight operations but not related to a specific flight.	349
		3.7.1.2.1.1.3-02	These data are summarized in Table 3.7–6. (See SLS).	349
		3.7.1.2.1.1.7-00	AIRPORT ENVIRONMENTAL DATA DISPLAY	358
		3.7.1.2.1.1.7-01	This logical display shall contain airport information and data from environmental sensors.	358
		3.7.1.2.1.1.7-06	e. The following types of data shall be included: Airport Information: Departure Routes, Arrival Routes, Runway Configuration: "losed Runways, Acceptance Rate, Outage. Repair Schedule, Runway Alert Data, Airport Lighting Systems Status, Instrument Landing Aids, Visual Approach (See SLS).	358

Task Number	Task Statement	Paragraph Number	Requirement,	Pag No
1.5.2.4 cont'd)	DETERMINE WHETHER RUNWAY CONDITIONS HAVE CHANGED	3.7.1.2.1.1.7-10	This shall include a time-stamped status for runway visual range, runway lighting intensity, and wind shear (location, direction of movement, speed, and effect on aircraft performance).	35
		3.7.1.2.1 1.7-12	For example, NOTAM data such as broking action shall be continuously updated and emphasized when a change in reported value occurs.	35
1.5.2.5	DETERMINE WHETHER CONTROL ZONE IS IFR/ VFR	3.7.1.1.3.7.2-80	ENVIRONMENTAL AND STATUS DATA PROCESSING	29
		3.7.1.1.3.7.2-02	a. Airport Environmental Data - The ACCC shall accept temperature, centerfield winds (speed and direction), ceiling, visibility, barometric pressure, Runway Visual Range, Low Level Wind Shear Alert, and vortex advisory data.	39
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1.2.1.1.1.7-80	GRAPHIC WEATHER FROM ATC RADARS	
		3.7.1.2.1.1.1.7-01	The Situation Display shall, at the controller's option, display graphic weather constructed from data obtained from Air Traffic Control radors.	
		3.7.1.2.1.1.1.8-00	GRAPHIC WEATHER FROM REAL TIME WEATHER PROCESSOR (RWP)	
		3.7.1.2.1.1.1.8-01	The Situation Display shall, at the option of the controller, display weather products obtained from the Real Time Weather processor.	
		3.7.1.2.1.1.1.8-04	IFR area putlines shall be coded to denote current areas and predicted areas.	
		5.7.1.2.1.1.3-00	ACRONAUTICAL AND METEOROLOGICAL DATA DISPLAY	
		3.7.1.2.1.1.3-01	This logical display shall contain information directly affecting flight operations but not related to a specific flight.	
		3.7.1.2.1.1.3-82	These dots are summarized in Table 5.7-6. (See SLS)	
11 5.2.7	FORWARD RUNWAY USE DATA	3.7.1.2.1.2.10-00	ATC MAIL	
41.5.2.8	RECEIVE SENERAL NATURE NOTAM	3.7.1.1.18-00	NOTICE TO AIRMEN PROCESSING CAPABILITY	
		3.7.1.1.10 (4)	The capability shall be provided by the ACCC to accept NOTAMs from the Consolidated NOTAM System and distribute them to the appropriate ACCC and TCCC positions.	

Task Number	Task Statement,	Paragraph Number	Requirement	Poge No.
A1.5.2.8 (cont'd)	RECEIVE GENERAL NATURE NOTAM	3.7.1.1.1ชี-ฮี2	The capability shall be provided to split NOTAM's among logical displays which will be dependent on the information contained in the NOTAM's.	319
		3.7.1.1.10-04	NOTAMs of a general nature shall be displayed on the A&M Data Display.	319
		3.7.1.2.1.1.3-00	AERONAUTICAL AND METEOROLOGICAL DATA DISPLAY	349
		3,7.1,2.1.1.3-@2	These data are summarized in Toble 3.7-6. (See SLS).	349
		3.7.1.2.1.2.10-00	ATC MAIL	391
41.5.2.9	RECEIVE RUNHAY USE DATA	3.7.1.1.3.7.2-00	ENVIRONMENTAL AND STATUS DATA PROCESSING	299
		3.7.1.1.3.7.2-92	a. Airport Environmental Data - The ACCC shall accept temperature, certerfield winds (speed and direction), ceiling, visibility, barometric pressure, Runway Visual Range, Low Level Wird Shear Aiert, and vortex advisory data.	500
		3.7.1.2.1.1.7-80	AJRPORT ENVIRONMENTAL DATA DISPLAY	358
		3.7.1.2 1.1.7-06	e. The following types of data shall be included: Airport Information: Departure Routes, Arrival Routes, Runway Configuration, Closed Runways, Acceptance Rate, Outages and Repair Schedule, Runway Alert Data, Airport Lighting Systems Status, Instrument Lunding Aids, Visual Approach (See SLS).	358
		3.7.1.2.1.1.7-10	This shall include a time-stamped status for runway visual range, runway lighting intensity, and wind shear (location, direction of movement, speed, and effect on direcaft performance).	<b>3</b> 59
		3.7.1.2.1.1.7-11	As established through adaptation, selected duta items (e.g., closed runways, DASI, etc.) shall be emphasized to indicate to the controller that on automatic update has occurred on the display.	<b>3</b> 59
		3.7.1.2.1.1.7-12	For example, NOTAM data such as braking action shall be continuously updated and emphasized when a change in reported value occurs.	359
		3.7.1.2.1.2.10-00	ATC MAIL	391
41.5.2.10	DETECT AIRPORT ENVIRONMENTAL DATA ALERT	3.7.1.1.3.7.2-80	ENVIRONMENTAL AND STATUS DATA PROCESSING	299

Task Number	<sup>T</sup> ask Statement	Paragroph Number	Requirement	Page No.
A1.5.2.10 (cont'd)	GETECT AIRPORT ENVIRONMENTAL SATA ALERT	3.7.1.1.3.7.2-05	c. Environmental and ATC Equipment Alerts - The ACCC shall provide selected environmental and equipment operational status data to the maintenance and operational control positions in such a manner as to assure timely controller response.	301
		3.7.1.2.1.1.7-00	AIRPORT ENVIRONMENTAL DATA DISPLAY	350
		3.7.1.2.1.1.7-11	As established through adaptation, selected data items (e.g., closed runways, DASI, etc.) shall be emphasized to indicate to the controller that an automatic update has occurred on the display.	35:
A1.5.2.11	DETERMINE FAULTY AIRPORT ENVIRONMENTAL SENSOR	3.7.1.1.3.7.2-00	ENVIRONMENTAL AND STATUS DATA PROCESSING	29
		3.7.1.1.3.7.2-02	a. Airport Environmental Data - The ACCC shall accept temperature, centerfield winds (speed and direction), ceiling, visibility, barometric pressure, Runway Visual Range, Low Level Wind Shear Alert, and vortex advisory data.	38
		3.7.1.2.1.1.7-00	AIPPORT ENVIRONMENTAL DATA DISPLAY	35
		3.7.1.2.1.1.7-01	This logical display shall contain airport information and dota from environmental sensors.	35
		3.7.1.2.1.1.7-02	a. The following types of data shall be included: Barometric pressure (DASI).	35
		3,7.1.2.1.1.7-63	b. The following types of data shall be included: Center field wind direction, speed, and gust speed (CF).	35
		3.7.1.2.1.1.7-84	c. The following types of data shall be included: Runway Visual Runge (RVW) and supplementary data character (maximum of three for each runway assigned).	50
		3.7.1.2.1.1.7-05	d. The following types of data shall be included: Boundary surface wind direction and speed (Low Level Wind Shear Alert System data).	35
		3.7.1.2.1.1.7-06	e. The following types of data shall be included: Airport Information: Departure Routes, Arrival Routes, Rusway Configuration, Clased Rusways, Acceptance Rate, Outages and Repair Schedule, Rusway Alert Data, Airport Lighting System: Status, Instrument Lunding Aids, Visual Approach (See SLS).	3:
A1.5.2.12	ENTER AIRPORT LAWIRONMENIAL SENSOR DATA OVERRIDE	3.7.1.2.1.2.3-ØØ	AERONAUTICAL AND METEOROLOGICAL DATA CHARGES	3.

Task Number	Task Statement	Requirement Traceal		Page No.
lask Number	ask Statement	Parayroph Number	Requirement	No.
A1.5.2.12 (cont'd)	ENTER AIRPORT ENVIRONMENTAL SENSOR DATA OVERRIDE	3.7.1.2.1.2.3-13	d. Sensor Override: This message shall be used to control the acceptance of data received from an airport environmental sensor.	380
		3.7.1.2.1.2.3-14	d. Sensor Override: When an airport environmental sensor is determined to be faulty, the capability shall be provided to inhibit the data from entering the system data pase.	386
		3.7.1.2.1.2.3-16	d. Sensor Override: At the time an inhibit data message is entered, the capability shall be provided to optionally input a fallback value for the sensor.	386
		3.7.1.2.1.2.3-18	d. Sensor Override: If a fallback value is not provided at the time on inhibit data message is entered, the capability shall be provided to enter a value at a later time provided a permit data action was not taken during the interim time period.	388
		3.7.1.2.1.2.3-19	d. Sensor Override: When this fallback value is provided, it shell be displayed in lieu of the data sent by the sensor.	386
A1.5.2.13	RECEIVE NOTICE OF FAULTY ATREORT ENVIRONMENTAL SENSOR	3.7.1.1.3.7.2-80	ENVIRONMENTAL AND STATUS DATA PROCESSING	299
		3.7.1.1.3.7.2-05	c. Environmental and ATC Equipment Alerts - The ACCC shall provide selected environmental and equipment operational status data to the maintenance and operational control positions in such a manner as to assure timely controller response.	309
		5.7.1.2.1.2.10-80	ATC MAZI	39
A1.5.2.14	REVIEW DISPLAYED WEATHER INFORMATION	3.7.1.1.3.6.1-38	PROCESSING OF GRAPHIC WEATHER DATA	29
		5.7.1 1.5.6.1-01	a The ACCC shall accept from the RWP and process; rador weather products depicting real-time procipitation and turbulence.	29
		3.7.1.1.5.6.1-02	o. The ACCC shall accept from the RWP and process: hazardous weather area outlines showing the current and predicted areas of hazardous weather.	29
		3 7.1.1.3.5.1-05	c. The ACCC shall accept from the RWP and process: outlines showing areas where instrument Meteorological Conditions exist.	29
		3 7.1.1.3.6.1+64	d. The ACCC shall accept from the RWP and process: rodar weather products depicting maps of Point Data Products.	29
		5.7.1.1.3.6.1-95	The ACCC shall accept and process weather data from ATC rodons and display the weather data.	29

Task Number	Task Statement	Paragraph Number	Requirement	Pag No
A1.5.2.14 (cont'd)	REVIEW DISPLAYED WEATHER INFORMATION	3.7.1.1.3.6.1-06	The ACCC shall store this graphic ATC weather information and distribute it to operational positions and associated TCCCs based on adaptation or an request by the controllers.	29
		3.7.1.1.3.6.1-07	The ACCC shall send updates to operational positions and TCCCs for weather data currently being displayed.	29
		3.7,1.1.3.6.2-00	ALPHANUMERIC WEATHER DATA	29
		5.7.1.1.3.6.2-01	The ACCC shall process the following alphanumeric weather products from the RWP: Surface Observation, Terminal Forecast, Grid Winds and Temperatures Aloft, PIREP, Center Weather Advisory, SIGMET, Convective SIGMET, AIRMET, Area Forecast, Meteorological Impact Statement, General (See SLS).	29
		3.7.1.1.3.6.2-08	The ACCC shall send updates to operational positions and TCCCs for alphanumeric weather products currently being displayed.	29
		3.7.1.1.3.6.2-16	Free-Text alphanumeric messages, termed General Information Messages, shall also be received by the ACCC and displayed at adupted positions.	25
		3.7.1.2.1.1.1-00	SITUATION DISPLAY	3.
		3.7,1.2.1.1.3~00	AERONAUTICAL AND METEUROLOGICAL DATA DISPLAY	3
		3.7.1.2.1.1.7-00	AIRPORT ENVIRONMENTAL DATA DISPLAY	3
		3.7.1.2.1.1.10-00	WEATHER DISPLAY	3
A1.6.1.1	BRIEF RELIEVING CONTROLLER	3.7.1.2.1.1.9-00	STATIC INFORMATION DISPLAY	
		3.7.1.2.1.1.9-24	b. The following (textual) data shall be displayed: Airmans Information Munual, "Air Traffic Contral" FAA Order 7110.65, Other Static Display Categories (Stanaard Operating Procedures, Letters of Agreement, Position Check Lists, NAVAID/Sector Frequencies), "Oceanie (See SLS).	3
		3.7.1.2.1.1.9-05	The capability shall be provided to display dota items selected from the above list.	1
A1.6.1.2	SIGN OFF AT COMPOLE	3.7.1.2.1.2.3-00	SIGN ON/SIGN OFF	
		3.7.1.2.1.2.9 94	b. Sign Off: User Identification. (Operational Responsibility Designator(s)).	
		3.7.1.2.1.2.9 <b>0</b> 5	<ul> <li>b. Sign Off: This message shall be used to enable a person to sign off an operational position.</li> </ul>	
A1.6.1.3	/LRIEV COMPLETENESS OF RELIEF	3.7.1.2.1.1,9-00	STATIC INFORMATION DISPLAY	

Task Number	Task Statement	Paragraph Number	Requirement	Poge No.
A1.6.1.3 (cont'd)	VERIFY COMPLETENESS OF RELIEF BRIEFING RECEIPT	3.7.1.2.1.1.9-04	b. The following (textual) data shall be displayed: Airmans Information Manual, "Air Traffic Control" FAA Order 7110 65, Other Static Display Categories (Standard Operating Procedures, Letters of Agreement, Position Check Lists, NAVAIO/Sector Frequencies), "Oceanic (See SLS).	364
		3.7.1.2.1.1.9-05	The capability shall be provided to display data items selected from the above list.	360
A1.6.2.1	REVIEW SYSTEM STATUS TO GETERMINE CURRENCY/ UPDATE SELF	3.7.1,1.3.7.2-00	ENVIRONMENTAL AND STATUS DATA PROCESSING	299
		3.7.1.1.3.7.2-01	The ACCC shall accept, maintain, and disseminate data from TCCCs reluted to Airport Environmental Data and Equipment Status from selected airports.	299
		3.7.1.1.3.7.2-03	b. Airport Equipment Status Data - The ACCC shall accept operational status data.	300
		3.7.1.1.3.7.2-04	b. Airport Equipment Status Data - The data shall be airport-specific or runway-specific, as appropriate, and shall include Instrument Landing and Airport Lighting Systems.	300
		3.7.1.1.3.7.2-05	c. Environmental and ATC Equipment Alerts - line ALLC shall provide selected environmental and equipment operational status data to the mointerance and operational control positions in such a manner as to assure timely controller response.	390
		3.7.1.2.1.1.8-00	SYSTEM STATUS DATA DISPLAY	359
		3.7.1.2.1.1.8-01	This logical display shall contain dynamic information regurding the status of ATC equipment, operational areas, airports, etc.	359
		3.7.1.2.1.1.6-#2	The following doto categories shall be included: Communication Channel Assignments, Radio Frequencies, Radio Equipment Outages and Repair Schedule, Radar Equipment Outages and Repair Schedule, NAVAID Outages and Repair Schedule, NAVAID Mointenance Schedule, Sectorization Plan (See SLS).	359
		3.7.1.2.1.1.8-03	The controller shall have the capability to salect the categories of data to be displayed.	359
		3.7.1.2.1.1.8-04	All displayed information shall be updated automatically when changes are reported.	359
#1.6.2.2	REVIEW CORRENT WAS LUSTED	3.7.1.2.1.1.1·80	SITUATION DISPLAY	323
		3.7.1.2.1.1.1.3.00	TARGET AND TRACK DATA AND SYMBOLOGY	330

Tosk Number	Task Statement	Paragraph Number	Requirement	Pog
A1.6.2.2 (cont'd)	REVIEW CURRENT AND PROJECTED TRAFFIC STATUS/ WEATHER	3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Collsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.1.2.1-00	FLIGHT DATA FIELDS	34
		3.7.1.2.1.1.2.1-03	Table 3.7-1 lists the Flight Plan Data fields with the moximum number of characters in the field. (See SLS).	34
		3.7.1.2.1.1.2.1-07	Displayed Flight Data Entries shall be coded for content according to purpose and use.	34
		3.7.1.2.1.1.2.1-09	The copobility shall be provided to display/delete FUE notations (FOENs) in specified fields of FDEs.	34
		3.7.1.2.1.1.3-00	AERONAUTICAL AND METEOROLOGICAL DATA DISPLAY	34
	3.7.1.2.1.1.3	3.7.1.2.1.1.3-02	These data are summarized in Table 3.7-6. (See SLS).	34
		3.7.1.2.1.1.4 88	ALERT AND RESOLUTION DISPLAY	3:
		3.7.1.2.1.1.5-00	SPECTAL LISTS	3
		3.7.1.2.1.1.5-@2	These lists shall include but not be limited to: Departure List, Inbound List, Const/Hold/Suspend List, Group Suppression List, VFR Inhibit List, Auto Hondoff/Pointou t Inhibit List, Traffic Management Advisory List, Metering Advisory List, Emergency Airport List, and Controller Reminder List.	31
		3.7.1.2.1.1.7-00	AIRPORT ENVIRONMENTAL DATA DISPLAY	3
		3.7.1.2.1.1.10-00	WEATHER DISPLAY	3
		3.7.1.2.1.1.14-00	SECTOR WORKLOAD DISPLAY	3
		3.7.1.2.1 1.20-00	AERA ALERT DISPLAY	:
		3.7.1.2.1.1.21-00	SUPPRESSED DISPLAY LIST DISPLAY	
A1.6.2.3	VERIFY THAT ALL REQUIRED PARAMETERS ARE IN PROPER LIGGATION	3.7.1.2.1.1-00	CONTROLLER DISPLAY LANGUAGE	
Ai.6.2.4	SIGN ON AT DESIGNATED CONSOLE	3.7.1.2.1.2.9-00	SIGN ON/SIGN OFF	
		3.7.1.2.1.2.9.02	o. Sign On: User Identification, Operational Responsibility Designator(s), (Display Preference Set Identifier).	

Task Number	Task Statement	Paragraph Number	Requirement	Page No.
A1.6.2.4 (cont'd)	SIGN ON AT DESIGNATED CONSOLL	3.7.1.2.1.2.9-03	a. Sign On: This message shall be used to enable a person to sign on an operational position and to optionally invoke his/her display preference set.	390
A1.6.2.5	ADJUST MORKSTATION TO PERSONAL PREFERENCE	3.7.1.1.3.7.5-00	DISPLAY PREFERENCE SET PROCESSING	300
		3.7.1.1.3.7.5-02	Each display preference set shall be uniquely identifiable and shall contain the location and size of logical display viewports on physical displays, the data item assignments to each brightness control group, the selection of display attributes, and the selection of pusting, ordering (See SLS).	300
		3,7,1,1,3,7,5~03	The capability shall be provided for each controller to modify his/her own preference set.	301
		3.7.1.1.3.7.5-05	The controller shall be able to display and to invoke on entire preference set or portions of a preference set which deal with individual logical displays.	301
:		3.7.1.2.1.1-00	CONTROLLER DISPLAY LANGUAGE	320
		3.7.1.2.1.1-06	o. This adaptation shall establish the physical shape and location of the physical display area which is to be allocated to a particular logical display.	320
		3.7.1.2.1.1-07	a. This adaptation shall be dynamically alterable by the controller and shall permit assignment of all eligible logical displays of an operational position to a single physical display.	320
		3.7.1.2.1.1-10	a. The system shall provide the capability for the controller to Jynamically designate any logical display or a pertion of the situation display which is of interest at a given time and to have that window displayed upon a designated portion of one of the available display surfaces.	320
		3.7.1.2.1.1-12	<ul> <li>The capability for a controller to dynamically define and delete liewports shall be provided.</li> </ul>	321
		3.7.1.2.1.1-14	a. The compbility shall be provided for the controller to independently control the display selections associated with each logical display for each viewport of that logical display.	32
		3.7.1.2.1.1-18	a. Additionally, the capobility shall be provided to enlarge or contract the size of the physical viewport without changing the sculing of the data (resulting in the exponsion or reduction of the geographic orea displayed).	32

Task Number	Task Statement	Paragraph Number	Requirement	Page No.
41.6.2.5 (cont'd)	ADJUST WORKSTATION TO PERSONAL PREFERENCE	3.7.1.2.1.1-59	Control of all displayed data within a Sector Suite shall be provided of each Common Console within that suite.	323
		3.7.1.2.3.1.1.1-00	SYMBOL GENERATION	402
		3.7.1.2.3.1.1.1-05	The Console shall provide for operator selection of symbol sizes.	402
		3.7.1.2.3.1.1.4-ən	BRIGHTNESS LEVELS	404
		3.7.1.2.3.1.1.4-02	The brightness of data display from each brightness control group shall be controller adjustable independent of all other groups.	404
41.6.2 6	CHECK MORKSTATION FOR PROPER CONFIGURATION, USABILITY, AND SATISFACTORY STATUS	3.7.1.2.1.1-00	CONTROLLER DISPLAY LANGUAGE	328
A1.6.2.7	SET UP WORKSTATION ADAPTATION PARAMETERS	£.7.1.1.3.7.5-00	DISPLAY PREFERENCE SET PROCESSING	300
		3.7.1.1.3.7.5-01	The capability shall be provided for each controller to establish multiple preference sets for each of multiple sectors for a total of 10 preference sets per controller.	300
		3.7.1.1.3.7 5-02	Each disolay preference set shall be uniquely identificate and shall contain the location and size of logical display viewports on physical displays, the data item assignments to each brightness control group, the selection of display attributes, and the selection of posting, ordering (See SLS).	300
		3.7.1.1.3.7.5-03	The capability shall be provided for each controller to modify his/her own preference set.	30
		3.7.1.2.1.2-30	CONTROLLER INPUT LANGUAGE PROCESSING	36:
		3.7.1.7.1.2-39	ah Defaults - The capability for each controller to be able to set and store the particular combination of default parameters which he/she deems most appropriate for his/her duily isage shall be provided.	36'
		5.7.1.2.1.2.9-db	SICN ON/SIGN OFF	39
		5.7.1.2.1.2.9-06	c. Mouiry Display Preference Set: User Identification, Password, Display Preference Identifier, Oata to be Changed.	39
		3.7.1.2.1.2.9-07	c. Modify Display Preference Set: This message shall be used to modify one's own display preference set(s).	39
A1.6.2.8	REVIEW BRIEFING CHECKLIST/ NOTES TO ASSUME COMPLETENESS OF BRIEFING COVERAGE	3.7.1.2.1.1.9-an	STATIC INFORMATION DISPLAY	36

Task Number	Task Statement	Paragraph Number	Regurement	Page No.
41.6.2.8 (cont'd)	REVIEW BRIEFING CHECKLIST/ NOTES TO ASSURE COMPLETENESS OF BRIEFING COVERAGE	- 3. <sup>-</sup> .1.2.1.1.9-θ4	b. The fellowing (textual) data shall be displayed: Airmans Information Manual, "Air Traffic Control" FAA Order 7118.65, Other Static Display Categories (Standord Operating Procedures, Letters of Agreement, Position Check Lists, NAVAID/Sector Frequencies), "Oceanic (See SLS).	360
		3.7.1.2.1.1.9-05	The capability shall be provided to display data items selected from the above list.	360
		3.7,1,2,1.1,18:00	CONTROLLER NOTEPAD DISPLAY	363
		3.7.1.2.1.1.18-04	These notes shall only be displayed at the entering position and shall remain in the logical display until the controller tokes action to delete them.	363
41.6.2.9	REQUEST IMPLEMENTATION OF PROGRAMMED PERSONAL PREFERENCE ADJUSTMENTS	3.7.1.1.3.7.3-00	SIGN ON AND SIGN OFF PROCESSING	300
		3.7.1.1.3.7.3-96	The option shall be provided for the user to invoke his/her display preference set as part of the sign on message.	30
		3.7.1.1.5.7.3-07	If no display preference set is specified at sign on, the existing display configuration shall be retained until controller action is taken to change it.	30
		3.7.1.1.3.7.5-89	DISPLAY PREFERENCE SET PROCESSING	30
		3.7.1.1.3.7.5-84	The capability shall be provided for the controller to display and to invoke a display preference set selectable from all sets established in the ACCC.	30
		3.7.1.1.3.7.5-05	The controller shall be uble to display and to invoke an entire preference set or partions of a preference set which deal with individual logical displays.	31
		3.7.1.2.1 2.9-00	SIGN ON/SIGN OFF	39
		Display F Display I Selection	d. Display/Invoke Display Preference Set: Display Freference Identifier, (Logical Display Identifier(s)), (Current Display Selections), (Invoke), (Logical Display Viewport Location(s)).	39
		3.7.1.2.1.2.9-10	d. Disploy/Invoke Disploy Preference Set: This message shall be used to disploy a preference set selectable from all sets established in the ACCC.	39
		3.7.1.2.1 2.9-11	d. Display/Invoke Display Preference Set: The controller shall be able to display an entire preference set on portions of the requested preference set which deal with individual logical displays.	3:

ask Number	Task Stutement	Paragraph Number	Requirement	Poge No.
1.6.2.9 cont'd)	REQUEST IMPLEMENTATION OF PROGRAMMED PERSONAL PREFERENCE AUJUSTMENTS	3.7.1.2.1.2.9-12	d. Display/Invoke Display Preference Set: If current display selections are requested, the Display Control selections currently in use at the operational position shall be displayed in addition to the requested display preference set.	39
		3.7.1.2.1.2.9-15	d. Display/Invoke Display Preference Set: This message shall be used to invoke the displayed preference set that has been selected for display, and to specify logical display viewport location(s) if applicable.	39
1.6.3.1	DETECT NON-ACCEPTANCE OF INPUT CATA	5.7.1.1.2.3-00	RESPONSES TO INPUT MESSAGES	26
		3.7.1.1.2.3-01	Response messages shall be generated as appropriate to the system design and the devices employed for Data Entry and Display.	26
		3.7.1.1.2.3-02	There shall always be some response to the source of any local or remote message that originated at a manned position, to confirm that the system has taken nate of the message and is acting on it.	25
		3.7.1.1.2.3-05	c. The following definitions shall apply to Response Messages: Error Message (see SLS).	27
		3.7.1.2.1.1.6-20	MESSAGE COMPOSITION AND RESPONSE DISPLAY	35
		3.7.1.2.1.1.6-05	The Response Display shall also contain computer responses to controller entered messages such as an accept, reject, or error.	35
		3.7.1.2.1.2-00	CONTROLLER INPUT LANGUAGE PROCESSING	3
		3.7.1.2.1.2-53	oe.5 Feedback for alphanumeric inputs shall appear on the Message Composition and Response Display.	31
		3.7.1.2.1.2-57	ar. Feedback - Every single type of every interaction activity shall result is some type of positive lexical feedback.	3
		3.7.1.2.1.2-58	of. Error Handling - When an error condition is encountered, the controller shall be provided appropriate feedback such that he/she can easily determine what was received by the system as input, what fields or data items were detected as being erroneous, and what error checking (See SLS).	3
A1.6.3.2	INFORM SUPERVISOR OF TRANSIENT EQUIPMENT FAILURE	3.7.1.2.1.2.10-00	ATC MAIL	3
41.6.4.1	NETECT OCCURRENCE OF SECTOR SUITE FAILURE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	
A1.6.4.1				

Task Number	Task Statement	Paragraph Number	Requirement.	Page No.
Ar.6.4.1 (contin)	DETECT OCCURRENCE OF SECTOR SULTE FAILURE	5.7.1.2.1.1.3-00	AERUNAUTICAL AND METEOROLOGICAL DATA DISPLAY	349
		3.7.1.2.1.1.4-00	ALERT AND RESOLUTION DISPLAY	35:
		3.7.1.2.1.1.5-00	SPECIAL LISTS	35
		3.7.1.2.1.1.6-00	MESSAGE COMPOSITION AND RESPONSE DISPLAY	35
		3.7.1.2.1.1.7-00	AIRPORT ENVIRONMENTAL DATA DISPLAY	35
		3.7.1.2.1.1.8-00	SYSTEM STATUS DATA DISPLAY	35
		3.7.1.2.1.1.9-00	STATIC INFORMATION DISPLAY	36
		3.7.1.2.1.1.10-00	WEATHER DISPLAY	36
		3.7.1.2.1.1.14-00	SECTOR WORKLOAD DISPLAY	36
		3.7.1.2.1.1.20-00	AERA ALERT DISPLAY	36
41.6.4.2	CESERVE SECTOR SULTE DATA BASE RESTORATION COMPLETION MESSAGE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3:
		3.7.1.2.1.1.2-พีซี	FLIGHT DATA DISPLAY	3
		3.7.1.2.1.1.8-00	S/STEM STATUS DATA DISPLAY	31
		3.7.1.4.3.3-00	FLIGHT PLAN PROCESSING CAPABILITY	4
		3.7.1.4.3.3-06	In the event the ACCC transitions from the Emergency Mode to a higher mode, the system's flight data shall automatically be made consistent with the flight data then at each operational position.	4
		3.7.1.4.3.3-07	a. This process snall require no controller action and snall result in no change to the controllers' displays except that: The flight Data display shall indicate for each displayed FDE whether all data bases have been made consistent.	4
#1.6.4.3	FORWARD NOTICE OF EQUIPMENT STATUS	3.7.1.2.1.2.10-00	ATC MAIL	3
A1,6,4,6	PELETYE STATUS OF SECTOR SULTE FATURE FROM CONTROLLER/ SUPERVISOR	3.7.1.2.1.2.18-89	ATC MAIL	3
A1.6.4.5	PEQUEST SPECIFIED DISPLAY DATA SE PRESENTED ON AND CONTRULLED AT A SPECIFIC COMMON CONSOLE	3.7.1.1.3.7.5-00	DISPLAY PREFERENCE SET PROCESSING	

an indication to denote a degraded mode of operation.  3.7.1.2.1.1.8-00 SYSTEM STATUS DATA DISPLAY	Tosk Number	Tosk Statement	Paragraph Number	Requirement	Pag No
3.7.1.2.1.1-85  3.7.1.2.1.1-85  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-88  3.7.1.2.1.1.3-88  3.7.1.2.1.3-88  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.3-89  3.7.1.3.3.		BE PRESENTED ON AND CONTROLLED	3.7.1.1.3.7.5-0 <sup>-</sup>	display windows to physical displays resulting from failure of a display surface containing one or more of the minimum required logical displays, the reassigned displays shall be presented using the display settings existing prior to the	38
to physical aisplays threuch degridation which is peculiar to each operational position.  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.2.1.1-87  3.7.1.1.3.3-80  3.7.1.1.3.3-80  3.7.1.1.3.3-80  3.7.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.1.1.3.3-80  3.7.1.2.1.1-80  3.7.1.2.1.1-80  3.7.1.2.1.1-80  3.7.1.2.1.1-80  3.7.1.2.1.1-80  3.7.1.2.1.1-80  3.7.1.2.1.1-80			3.7.1.2.1.1-00	CONTROLLER DISPLAY LANGUAGE	32
al.6.5.1  DETECT OCCURRENCE OF ACCC  3.7.1.1.3.5-80  SYSTEM FUNCTIONAL PERFORMANCE MONITORING CAPABILITY  3.7.1.1.1.5-02  SYSTEM FUNCTIONAL PERFORMANCE MONITORING CAPABILITY  3.7.1.1.1.3.5-03  NONITOR FUNCTION TERFORMANCE AND AVAILABILITY  3.7.1.1.1.3.3-03  The ACCC shall alert supervisory and operational performance of a function degrades to a paint where it is no larger useful, performance of that functional performance of a function degrades to a paint where it is no larger useful, performance of that functional personnel shall be notified.  3.7.1.1.1.3.3-09  If the performance of a function degrades to a paint where it is no larger useful, performance of that function shall be notified.  3.7.1.1.1.3.3-09  If the Rency control of the supervisory and operational personnel shall be notified.  3.7.1.1.1.3.3-09  If the Rency control of the supervisory and operational personnel shall be notified.  3.7.1.2.1.1-00  CONTROLLER DISPLAY LANGUAGE  In addition, each Main Display shall display on indication to denote a degraded made of operation.  3.7.1.2.1.1-00  SYSTEM STATUS DATA DISPLAY			3.7.1.2.1.1-05	to physical displays through adoptation which is peculiar to each operational	32
It shall report to the operations and supervisor apersonnel all events which affect the "unctional performance of the system.  5.7.1.1.1.5.3-80 MCNITOR FUNCTION PERFORMANCE AND AVAILABILITY  3.7.1.1.3.3-83 The ACCC shall alert supervisory and operational personnel to any degradation of the system's functional performance.  3.7.1.1.3.3-84 If the performance of a function degrades to a paint where it is no longer useful, performance of that function shall be automatically suspended and supervisory and operational personnel shall be notified.  5.7.1.1.1.3.3-89 If the Reducert Capability Mode commut be maintained, all supervisory and operational personnel shall be notified that the system is in the emergency mode and messages shall be sent to adjacent and backup ACCCs and appropriate TCCCs.  3.7.1.2.1.1-84 CONIROLLER DISPLAY LANGUAGE  In addition, each Main Display shall display on indication to denote a degraded mode of operation.  5.7.1.2.1.1.8-80 SYSIEM STATUS DATA DISPLAY			3.7.1.2.1.1-07	alterable by the controller and shall permit assignment of all eligible logical displays of an operational position to a single	3:
supervisor' personnel all events which affect the functional performance of the system.  5.7.1.1.1.3.3-00  NONITOR FUNCTION PERFORMANCE AND AVAILABILITY  7.7.1.1.3.3-03  The ACCC shall alert supervisory and operational personnel to any degradation of the system's functional performance.  3.7.1.1.3.3-04  If the performance of a function degrades to a point where it is no longer useful, performance of that function shall be outematically suspended and supervisory and operational personnel shall be notified.  5.7.1.1.1.3.3-09  If she Reducer Capability Mode connot be mointoined, all supervisory and operational personnel shall be notified that the system is in the emergency mode and messages shall be sent to adjacent and backup ACCCs and appropriate TCCCs.  3.7.1.2.1.1-00  CONTROLLER DISPLAY LANGUAGE  In addition, each Main Display shall display on indication to denote a degraded made of operation.  5.7.1.2.1.1.8-00  SYSIEM STATUS DATA DISPLAY	41.6.5.1		3.7.1.1.1.3-00		2
AVAILABILITY  3.7.1.1.1.3.3-03  The ACCC shall alert supervisory and operational personnel to any degradation of the system's functional performance.  3.7.1.1.1.3.3-04  If the performance of a function degrades to a point where it is no longer useful, performance of that function shall be outcomptically suspended and supervisory and operational personnel shall be notified.  3.7.1.1.1.3.3-09  If the Reduced Capability Mode cannot be maintained, all supervisory and operational personnel shall be notified that the system is in the emergency mode and messages shall be sent to adjacent and backup ACCCs and appropriate ICCCs.  5.7.1.2.1.1-00  CONTROLLER DISPLAY LANGUAGE  In addition, each Main Display shall display on indication to denote a degraded made of operation.  5.7.1.2.1.1.8-00  SYSTEM STATUS DATA DISPLAY			3.7.1,1,1.3-02	supervisor, personnel all events which affect the functional performance of the	2
operational personnel to any degradation of the system's functional performance.  3.7.1.1.1.3.3-84  If the performance of a function degrades to a point where it is no longer useful, performance of that function shall be outmotically suspended and supervisory and operational personnel shall be notified.  3.7.1.1.3.3-89  If the Reduced Capability Mode cannot be maintained, all supervisory and operational personnel shall be notified that the system is in the emergency mode and messages shall be sent to adjacent and backup ACCCs and appropriate TCCCs.  3.7.1.2.1.1-80  CONTROLLER DISPLAY LANGUAGE  In addition, each Main Display shall display an indication to denote a degraded mude of operation.  3.7.1.2.1.1.8-80  SYSIEM STATUS DATA DISPLAY			3.7.1.1.1.3.3-00		
a point where it is no longer useful, performance of that function shall be outomotically suspended and supervisory and operational personnel shall be notified.  3.7.1.1.1.3.3-09  If the Reduced Capability Made cannot be maintained, all supervisory and operational personnel shall be notified that the system is in the emergency mode and messages shall be sent to adjacent and backup ACCCs and appropriate TCCCs.  3.7.1.2.1.1-00  CONTROLLER DISPLAY LANGUAGE  In addition, each Main Display shall display an indication to denote a degraded mode of operation.  3.7.1.2.1.1.8-00  SYSIEM STATUS DATA DISPLAY			3.7.1.1.1.3.3-03	operational personnel to any degradation of	2
mointained, all supervisory and operational personnel shall be notified that the system is in the emergency mode and messages shall be sent to adjacent and backup ACCCs and appropriate TCCCs.  3.7.1.2.1.1-00  CONTROLLER DISPLAY LANGUAGE  In addition, each Main Display shall display an indication to denote a degraded mode of operation.  3.7.1.2.1.1.8-00  SYSIEM STATUS DATA DISPLAY			3.7.1.1.1.3.3-04	a paint where it is no longer useful, performance of that function shall be outomatically suspended and supervisory and	
In addition, each Main Display shall display an indication to denote a degraded mode of operation.  3.7.1.2.1.1.8-00 SYSIEM STATUS DATA DISPLAY			3.7.1.1.1.3.3-09	maintained, all supervisory and operational personnel shall be notified that the system is in the emergency mode and messages shall be sent to adjacent and backup ACCCs and	
an indication to denote a degraded mode of operation.  3.7.1.2.1.1.8-00 SYSIEM STATUS DATA DISPLAY			3.7.1.2.1.1-00	CONTROLLER DISPLAY LANGUAGE	
			3,7.1.2.1.1-04		
3.7.1.2.1.1.8-01 This logical display shall contain dynamic			3.7.1.2.1.1.8-00	SYSTEM STATUS DATA DISPLAY	
information regarding the status of ATC equipment, operational areas, airports, etc.			3.7.1.2.1.1.8-01	This logical display shall contain dynamic information regarding the status of ATC equipment, operational areas, airports, etc.	

Task Number	Task Statement	Puragraph Number	Requirement	Poge No.
A1.5.5.1 (cont'd)	DETECT OCCURRENCE OF ACCC FAILURE	3.7.1.2.1.1.8-02	The following data categories shal: e included: Communication Channel Ass inments, Radio Frequencies, Radio Equipment stages and Repair Schedule, Radar Equipment Octoges and Repair Schedule, NAVAID Outoges are Repair Schedule, NAVAID Mointenance Schedule, Sectarization Plan (See SLS).	359
A1.6.5.4	VERIFY COMPUTER ACTION DURING TRANSITION STAGES	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1,1.1.3-მ0	TARGET AND TRACK DATA AND SYMBOLOGY	330
		3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adoptable from the following set of data: Callsign, made C Altitude or Pilot Reported Altitude and indication of Pilot Reported Aititude, Hundoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	332
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
		3.7.1.2.1.1.2.1-80	FLIGHT DATA FIELDS	341
		3.7.1.2.1.1.2.1-03	Table 3.7-1 lists the Flight Plan Data fields with the maximum number of characters in the field. (See SLS).	34
A1.6.5.1	DETERMINE AIRCRAFT NEEDING SUBSTITUTE ROUTING	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	339
		3.7.1.2.1.1.5-00	SPECIAL LISTS	35
		3.7.1.2.1.1.5-02	These lists shall include but not be limited to: Departure List, Indound List, Coast/Hold/Suspend List, Group Suppression List, VFR Inhibit List, Auto Handoff/Pointou t Inhibit List, Traffic Management Advisory List, Metering Advisory List, Emergency Airport List, and Controller Reminder List.	35
		3.7.1.2.1.1.8 ##	SYSTEM STATUS DAYA DISPLAY	35
A1.6.6.2	REVIEW STATUS OF QUESTIONABLE NAVAID	3.7.1.2.1.1.8-00	SYSTEM STATUS DATA DISPLAY	35
		3.7.1.2.1.1.8-01	This logical display shall contain dynamic information regarding the status of ATC equipment, operational areas, airports, etc.	35
		3.7.1.2.1.1.8-02	The following data catagories shall be included: Communication Channel Assignments, Radio Frequencies, Radio Equipment Outages and Repair Schedule, Rador Equipment Outages and Repair Schedule, NAVAID Outages and Repair Schedule, NAVAID Maintenance Schedule, Sectorization Plan (See SLS).	35
A1.6.6.3	OBSERVE SUBSTITUTE ROULING ON UISPLAY	3.7.1.2.1.1.2.1-00	FLIGHT DATA FIELDS	34



		o Requirement Tracea		Page
Task Number	Tosk Statement	Paragraph Number	Raquirement	Nó.
A1.6.6.3 (cont'¤)	OBSERVE SUBSTITUTE ROUTING OW DISPLAY	3.7.1.2.1.1.2.1-80	u. The following FDEN categories shall be provided: An FDEN associated with the Route field shall denote a SHAP or preferential route.	345
,		5.7.1.2.1.1.2.1-81	u. The Route field in conjunction with the FDEN shall provide for display of both the SWAP or preferential route and the associated segment of the filed route.	345
		3.7.1.2.1.1.8-00	SYSTEM STATUS DATA DISPLAY	359
		3.7.1.2.1.1.8-02	The following data categories shall be included: Communication Channel Assignments. Radio Frequencies. Radio Equipment Outages and Repair Schedule, Radio Equipment Outages and Repair Schedule, NAVAID Outages and Repair Schedule, NAVAID Maintenance Schedule, Sectorization Plan (See SLS).	359
		3.7.1.2.1.1.9~00	STATIC INFORMATION DISPLAY	366
		3.7.1.2.1.1.9-02	a. The following (gruphic) data shall be displayed: Controller Charts, Sectional Aeronautical Charts, Instrument Approach Procedures, STARs/Profile Descent, SID/Departure Procedure, North Atlantic Route Chart, Pacific Route Chart, Substitute Routing.	360
A1.6.6.4	RECEIVE NOTICE OF NAVAID	5.7.1.2.1.2.10-00	ATC MAIL	39
A1.6.6.5	RECFIVE SUBSTITUTE ROUTING	3.7.1.2.1.2.10-00	ATC MAIL	39
A1.6.6.6	RECEIVE CANCELLATION OF SUBSTITUTE ROUTING	3.7.1.2.1.2.10-00	ATC MAIL	39
A1.6.6.7	FORWARD NAVAID STATUS TO ANOTHER CONTROLLER/ SUPERVISOR/ PILOT	3.7.1.2.1 2.10-00	ATC MAIL	39
A1.6.6.8	FORWARD SUBSTITUTE ROUTING	3.7.1.2.1.2.10-20	ATC MAIL	39
A1.6.6.9	DELETE PREVIOUS SUBSTITUTE ROUTING	3.7.1.2.1.2.10-00	ATC MAIL	39
A1.6.6.12	RECEIVE SUPERVISOR NOTICE OF EQUIPMENT RELEASED TO MAINTENANCE	3.7.1.2.1.2.1%-00	ATC MAIL	39
A1.6.6.13	ENTER REPETITIVE SUBSTITUTE ROUTING FOR MULTIPLE FLIGHTS	3.7.1.2.1.2,2-00	FLIGHT DATA CHANGES	37
		3.7.1.2.1.2.2-76	ob. Repetitive Route Amendment: Flight Identifications, (Route Identifier), (Route or Route Segment).	37'

	7			Page
Task Number	Task Statement	Paragraph Number	Requirement	No.
A1.6.6.13 (cont'd)	ENTER REPETITIVE SUBSTITUTE ROUTING FOR MULTIPLE FLIGHTS	3.7.1.2.1.2,2-77	ab. Repetitive Route Amendment. This message shail be used to amend multiple flight plans with the entered route or route segment or with the route or route segment designated by the route identifier.	379
A1.6 .14	ENTER MESSAGE TO CREATE ROUTE SUBSTITUTION FOR AIRCRAFT	3.7,1.2.1.2.2-00	FLIGHT DATA CHANGES	373
		3.7.1.2.1.2.2-72	os. Create/Delete Route: (Route Identifier), (Route or Route Segment).	379
		3.7.1.2.1.2.2-73	aa. Create/Delete Route: This message shall be used to create or delete a route or route segment to be used for repetitive use.	379
A1.6.6.15	ENTER MELSAGE TO DELETE A ROUTE SUBSTITUTION	3.7.1.2.1.2.2-00	FLIGHT DATA CHANGES	373
		3.7.1.2.1.2.2-72	aa. Create/Delete Route: (Route Identifier). (Route or Route Segment).	379
		3.7.1.2.1.2.2-73	aa. Create/Delete Route: This message shall be used to create or delete a route or route segment to be used for repetitive use.	379
A1.6.7.2	FORWARD ALTERNATE COMMUNICATION PATH	3.7.1.2.1.2.10-00	ATC MAIL	391
A1.6.7.3	RECEIVE NEW FREQUENCY ASSIGNMENT	3.7.1.2.1.2.10-00	ATC MAIL	391
A1.6.7.4	FORWARD NOTICE OF CCMMUNICATION STATUS	3.7.1.2.1.2.10-00	ATC MAIL	39
A1.6.7.5	FORWARD NEW FREQUENCY ASSIGNMENT TO ANOTHER CONTROLLER/ SUPERVISOR/ PILOT	3.7.1.2.1.2.10-30	ATC MAIL	39
A1.6.7.6	RECEIVE NOTICE OF /_TERNATE	3.7.1.2.1.2.10-00	ATC MAIL	39
A1.6.8.3	REQUEST ASSISTANCE OR RELIEF	3.7.1.2.1.2.10-00	ATC MAIL	39
A1.6.8.4	REQUEST FLOW CONTROL BE IMPOSED	3.7.1.2.1.2.10-00	ATC MAIL	39
A1,6.8.5	REQUEST SECTOR WORKLOAD PREDICTIONS	3.7.1.2.1.1.14-00	SECTOR WORKLOAD DISPLAY	36
		3.7.1.2.1.1.14-05	The Sector Workload Display for controllers shall contain an entry for the sector associated with the controller who requested the display.	36.
		3.7.1.2.1.1.14-06	This entry shall contain the sector number and the value of the predicted number of aircraft for each selected time interval.	36
A1.6,9.2	REASSOCIATE DATA BLOCK	3.7.1.2.1.2.1-00	TRACK CONTROL	36

Task Number	Task Statement	Parograph Number	Requirement	No
(1.6.9.2 cont.'a)	REASSOCIATE DATA BLOCK	3.7.1.2.1.2.1-40	l. Track Reposition: Flight Identification, New Coordinate Position.	37
		3.7.1.2.1.2.1-41	<ol> <li>Track Reposition: This message shall provide the capability to change a designated track's coordinate position and its associated full data block.</li> </ol>	37
	OBSERVE DATA BLOCK NOT ASSOCIATED WITH TARGET	3.7.1.2.1.1.1-00	SITUATION DISPLAY	32
		3.7.1.2.1.1.1.3-20	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1,1,3-21	Target position symbols shall be placed at the radar reported position and shall not be the same symbols as used to denote track positions.	33
A1.6.9.5	INITIATE USE OF NON-RADAR SEPARATION STANDARDS	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3:
į		3.7.1.2.1.1.1.3-21	Target position symbols shall be placed at the rodor reported position and shall not be the same symbols as used to denote track positions.	33
ĺ		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	3
A1.6.9.6	SUPPRESS FLIGHT PLAN EXTRAPOLATION FOR A TRACK	3.7.1.2.1.2.1-00	TRACK CONTROL	3
		3.7.1,2.1.2.1-45	n. Flight Plun Extrapolation: Flight Identification.	3
		3.7.1,2.1.2.1-46	n. Flight Plan Extrapolation: This message shall be used to put the designated flight into flight plan extrapolation status or to suppress flight plan extrapolation on the flight.	3
A1.6.9.7	INITIATE USE OF RADAR SEPARATION STANDARDS	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1,2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	3
		3.7.1.2 1.1.1.3-23	a. Target position symbols shall be coded to denote whether the target is primary or beacon.	
		3.7.1.2.1.1.1.3-24	a. Turget position symbols shall distinguish between the classes of primary targets and categories of beacon targets.	
		3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	

Task Number	Task Statement	Paragraph Number	Requirement	Page No.
				$\vdash$
11.6.9.9	CBSERVE RETURN OF NORMAL RADAR ENVIRONMENT	3.7.1.2.+.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	336
		3.7.1.2.1.1.1.3-23	<ul> <li>a. Target position symbols shall be coded to denute whether the target is primary or becon.</li> </ul>	33
		3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDR shall be adoptable from the following set of data: Callsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	33:
A1.6.9.10	CBSERVE AIRCRAFT TRACK IN COAST MODE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	32.
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	33
		3.7.1.2.1.1.1.3-29	d. Track status shall be coded within the track position symbol, leader line, or FDB and shall denote when a track is in coast, hold, flight plan extrapolation, or out of association with its paired flight plan.	33
A1.6.10.1	OBSERVE MESSAGE ON LOSS OF FLIGHT PLAN DATA BASE	3.7.1.2.1.1.8-ศต์	SYSTEM STATUS DATA DISPLAY	35
		3 7.1.2.1.1.8-Ø1	This logical display shall contain dynamic information regarding the status of ATC equipment, operational areas, airports, etc.	35
		3.7.1.2.1.1.8-02	The following data categories shall be included: Communication Channel Assignments, Rodio Frequencies, Rodio Equipment Outages and Repair Schedule, Rodar Equipment Outages and Repair Schedule, NAVAID Outages and Repoir Schedule, NAVAID Mointenance Schedule, Sectorization Plan (See SLS).	35
A1.6.10.2	CETECT FAILURE TO UPDATE FLIGHT PLAN DATA BASE	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	3
		3.7.1.2.1.1.2.1-00	FLIGHT DATA FLELDS	3
A1.6.10.3	ENTER DISPLAY AMENDMENT MLSSAGE ON CONSOLE	3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	3
		3.7.1.2.1.2.2~4%	FLIGHT DAIA CHANGES	
		3.7.1.2.1.2.2-03	a. Flight Data Amendment: Flight Identification, Field to be Modified, New Data.	1
		3.7.1.2.1.2.2-04	a. Flight Data Amendment: This message shall be used to modify, add to, or delete previously entered flight data for any flight plan.	

Task Number	Task Statement	Paragraph Number	Requirement	Page No.
A1,6.10.3 (cont'd)	ENTER DISPLAY AMENOMENT MESSAGE ON CONSOLE	3.7.1.4.3.3-80	FLIGHT PLAN PROCESSING CAPABILITY	411
		3.7.1.4.3.3··Ø1	Flight and other data available at the sector at the time the Emergency Mode was entered shall continue to be displayed.	411
		3.7.1.4.3.3-03	The capability to enter new data, such as Flight Plans, and to modify existing data shall be provided.	411
		3.7.1.4.3.3-04	While operating in the Emergency Mode, sector-te-sector cummunications shall be continued in order to process messages such as FDE Pointout, Request FDEs, Initiate Handoff, Accept, Reject and Retract Handoff and to Gutomotically distribute entered modifications to flight data to (See SLS).	411
A1.6.10.4	ENTER FLIGHT PLAN ON CONSOLE	3.7.1.2.1.2.2 00	FLIGHT DATA CHANGES	373
		3.7.1.2.1.2.2-15	e. Flight Plon: Callsign, (Flight Rules), (Type of Flight), (Number of Aircraft), Type of Aircraft, (Model Number), (Heavy Jet Indicator), Equipment, Departure Point, Departure Time, Coordination Fix, Coordination Time/Elopsed Time to Coordinate Fix, True Air Speed, Altitude, Route, (See SLS).	374
		3.7.1.2.1.2.2-16	e. Flight Plan: This message shall be used to enter flight plan data into the system for a flight.	374
		3.7.1.4.3.3-00	FLIGHT PLAN PROCESSING CAPABILITY	411
		3.7.1.4.3.3-01	Flight and other data available at the sector at the time the Emergency Mode was entered shall continue to be displayed.	411
		3.7.1.4.3.3-03	The capability to enter new data, such as Flight Plans, and to modify existing data shall be provided.	411
		3.7.1.4.3.3-04	While operating in the Emergency Mode, sector-to-sector communications shall be continued in order to process messages such as FDE Pointout, Request FDEs, Initiate Handoff, Accept, Reject and Retract Handoff and to outomatically distribute entered modifications to flight data to (See SLS).	411
A1.6.10.5	VERIFY FUIGHT PLAN DATA BASE TRANSITION ACTIVITIES	3.7.1.2.1.1.1-00	SITUATION DISPLAY	323
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	338

Task Number	Task Statement	Paragraph Number	Requirement	Page No.
A1.6.10.5 (cont'd)	VERIFY FLIGHT PLAN DATA BASE TRANSITION ACTIVITIES	3.7.1.2.1.1.1.3-44	The information conveyed in the track position symbol and FDB shall be adaptable from the following set of date: Collsign, Mode C Altitude or Pilot Reported Altitude and indication of Pilot Reported Altitude, Handoff Status/Indicator, Aircraft Type, Assigned Altitude or Interim (See SLS).	332
		3.7,1.2.1.1,2-00	FLIGHT DATA DISPLAY	339
		3.7,1,2.1.1,2.1-00	FLIGHT DATA FIELDS	341
		3.7.1.2.1.1.2.1-03	Table 3.7-1 lists the Flight Plan Data fields with the maximum number of characters in the field. (See SLS).	341
		3.7.1.2.1.2.10-00	ATC MAIL	391
A1.6.11.2	QUERY WHETHER OTHERS ARE RECEIVING AN AIRCRAFT'S TRANSMISSIONS	3.7.1.2.1.2.10-00	ATC MAIL	39:
A1.6.11.4	RECEIVE NUTICE OF TRANSIENT COMMUNICATION FAILURE	3.7.1.2.1.2.10-00	ATC MAIL	391
A1.6.12.1	RECEIVE NOTICE TO TAKE OVER AIRSPACE	3.7.1.2.1.2.10-00	ATC MAIL	39
41.6.12.2	RECEIVE NOTICE TO PREPARE FOR SECTOR RECONFIGURATION	3.7.1 1.3.9.1-00	SECTORIZATION SUPPORT	30
		3.7.1.1.3.9.1-02	The supervisor shall have the capability to initiate the simultaneous display of FDEs of more than one position.	30
	<u> </u>	3.7.1.1.3.9.1-03	The FOEs shall be emphasized to indicate their status at the receiving sector.	30
		3.7.1.1.3.9.1-04	Upon entry of the resectorization message, a prompt shall be displayed informing the controller that a resectorization is about to occur.	30
		3.7.1,1.3.9.1-05	The specific FPAs or sectors that will be added or deleted as a result of the resectorization shall be displayed.	30
		3.7.1.2.1.1.2-00	FLIGHT DATA DISPLAY	33
		3.7.1.2.1.2.10 00	ATC MAIL	39
A1.5.12.3	RECEIVE NOTICE TO RELEASE AIRSPACE	5.7.1.2.1.2.10-00	ATC MAIL	39
A1.6.12.4	RECEIVE NOTICE THAT ADJACENT FACILITY IS OPERATIVE	3.7.1.2.1.2.10-00	ATC MAIL	39
A1.6,12.5	RECLIVE NUTICE THAT ADJACENT FACILITY IS INOPERATIVE	3.7.1.2.1.2.10-00	ATC MAIL	39

Tosk Number	Task Statement	Paragraph Number	Requirement	Page No.
1.6.12.6	ENTER RECONFIGURATION/ RESECTORIZATION #CCEPTANCE	3.7.1.1.3.9.1-00	SECTORIZATION SUPPORT	303
		3.7.1.1.3.9.1-07	The controller at the position now responsible for the FPA shall be able to accept control of all aircraft in the FPA being controlled at another position by entering an Accept Resectorization message.	303
		3.7.1.1.3.9.1-09	Aircraft in handoff to the position being combined or decombined shall be redirected to the new position upon entry of the Accept Resectorization message.	<b>30</b> .
		3.7.1.2.1.2.1-00	TRACK CONTROL	36
		3,7.1,2.1.2.1-72	v. Accept Resectorization: (All Handoffs Indicator).	37
		3.7.1.2.1.2.1-73	v. Accept Resectorization: This message shall be used at the position now responsible for an FPA to accept control of all flights in the FPA being controlled at another position and redirect hundoffs to the new position.	37
		3.7.1.2.1.2.1-74	v. Accept Resectorization: This message snall provide the option for the cantraller to simultaneously accept all handoffs resulting from the resectorization.	3
a1.6.13.1	RECEIVE NUTICE OF RADAR SENSOR STATUS	3.7.1.2.1.2.1ย-00	ATC MAIL	3
A1.6.13.2	RECEIVE PROCEDURES TO BE USED TO ACCOMMODATE SENSOR OUTAGE	3.7.1.2,1.2.10-00	ATC MAIL	3
31.6.13.3 م	PERCEIVE TRACKING OR TRANSPONDER FAILURE	3.7.1.2.1.1.1-00	SITUATION DISPLAY	3
		3.7.1.2.1.1.1.3-00	TARGET AND TRACK DATA AND SYMBOLOGY	3
		3.7.1.2.1.1.1.3-23	a. Target position symbols shall be coded to denote whether the target is primary or beacon.	1
		3.7.1.2,1.1.1.3-24	a. Target position symbols shall distinguish between the closses of primary targets and cotegories of beucon targets.	
		3.7.1.2.1.1.1.3-29	d. Track status shall be coped within the track position symbol, leader line, or FDB and shall denote when a track is in coost, hold, flight plan extrapolation, or out of association with its poired flight plan.	
A1.6.13.4	FORWARD NOTICE OF RADAR SENSOR STATUS TO ANOTHER CONTROLLER/ SUPERVISOR	3.7.1.2.1.2.10-00	ATC MAIL	

To do Alond	Task Statement Orphans	
Task Number	Tosk Slatement	Task Type
Al	PERFORM ACE DUMESTIC AIR TRAFFIC CONTROL	
A1.0.0.0	SSNERATE CLEARANCE	
A1.0.0.1	IRIAL PLANNING	
A1.1	PERFORM SITUATION MONITORING	
A1.1.1	CHECKING AND EVALUATING SEPARATION	
A1.1.1.7	DETERMINE WHETHER AIRCRAFT MAY BE SEPARATED BY LESS THAN PRESCRIBED MINIMA	A
A1.1.1.15	CETERMINE WHETHER AIRSPACE SEPARATION STANDARDS MAY BE VIOLATED	A
A1.1.1.16	CETERMINE WHETHER CONFORMANCE CRITERIA MAY BE VIGLATED	A
A1.1.1.17	SETERMINE WHETHER FLOW RESTRICTIONS MAY BE VIOLATED	A
A1.1.2	RECEIVING SYSTEM STATUS INFORMATION	
A1.1.2.6	REQUEST REPORT ON NAVAID STATUS	vc
A1.1.3	ANALYZING INITIAL REQUESIS FOR CLEARANCES	
A1.1.4	PROCESSING DEPARTURE/ EN ROUTE TIME INFORMATION	
A1.1.5	PROCESSING REQUESTS FOR FLIGHT FOLLOWING	
A1.1.5.5	INFORM PILOT OF ALTERNATE INSTRUCTIONS NECESSARY FOR FLIGHT FOLLOWING SERVICE	vc
A1.1.6	HOUSEKEEPING	
A1.2	RESOLVE AIRCRAFT CONFLICTS	
A1.2.1	PERFORMING AIRCRAFT CONFLICT RESOLUTION	
A1.2.1.2	DETERMINE VALIDITY OF POTENTIAL AIRCRAFT CONFLICT NOTICE OR INDICATION	A
A1.2.1.3	RECLIVE CONTROLLER NOTICE OF POTENTIAL AIRCRAFT CONFLICT IN SECTOR	vc
A1.2.1.4	INFORM CONTROLLER OF POTENTIAL ATRORAFT CONFLICT IN HIS SECTOR	vc
A1.2.2	PERFORMING MINIMUM SAFE ALTITUDE PROCESSING	
A1.2.2.3	RECEIVE CONTROLLER NOTICE OF POTENTIAL MSAW IN SECTOR	vc
A1.2.2.4	INFORM CONTROLLER OF POTENTIAL MSAW IN HIS SECTOR	vc
A1.2.2.6	L CERMINE VALIDITY OF MSAW NOTICE OR INDICATION	A
A1.2.3	PERFORMING AIRSPACE CONFLICT PROCESSING	
A1.2.3.1	!NFORM CONTROLLER OF POTENTIAL AIRSPACE CONFLICT IN HIS SECTOR	VC/E
A1.2.3.2	RECEIVE CONTROLLER NOTICE OF POTENTIAL AIRSPACE CONFLICT IN SECTOR	vc
A1.2.3.6	DETERMINE VALIDITY OF AIRSPACE CONFLICT NOTICE OR INDICATION	A
A1.2.4	ISSUING UNSAFE CONDITION ADVISORIES	
A1.2.4.3	FORMULATE ACVISORY/ SAFETY ALERT CONTENT	A
A1.2.4.5	ISSUE TRAFFIC ADVISORY/ SAFETY ALERT IN REGARD TO TRAFFIC PROXIMITY	vc
A1.2.4.6	INFORM PILOT WHEN CLEAR OF TRAFFIC	vc
A1.2.4.7	ISSUE ADVISORY IN REGARD 10 A NON-CONTROLLED OBJECT	vc
A1.2.4.8	INFORM PILGT WHEN CLEAR OF NON-CONTROLLED OBJECT	vc
A1.2.4.9	ISSUE ADVISORY IN REGARD TO RESTRICTED AIRSPACE PROXIMITY	VC
A1.2.4.10	ISSUE ADVISORY IN REGARD TO FLICHI PLAN DEVIATION	vç
A1.2.4.12	ISSUE SAFETY ALERT IN REGARD TO MINIMUM ALTITUDE	VC
A1.2.4.14	DETERMINE NEED FOR ADVISORY/ SAFETY ALERT/ CLEARANCE	A
A1.2.5	SUPPRESSING ALERTS/ RESOLUTION ADVISORIES	

Task Number	Task Statement	Tosk Type
A1 2 C	SUPPRESSING DISPLAY OF CONFLICT! RESTRICTION VIOLATION CHECKS	
A1.2.6 A1.3	MANAGE AIR TRAFFIC SEQUENCES	
A1.3.1	RESPONDING TO TRAFFIC MANAGEMENT CONSTRAINTS/ FLOW CONFLICTS	
A1.3.1.3	DISCUSS DISCONTINUANCE OF TRAFFIC MANAGEMENT RESTRICTION/ (RAFFIC REROUTE WITH SUPERVISOR	A/VC
A1.3.1.4	REVIEW OPTIONS TO BRING AIRCRAFT INTO CONFORMANCE WITH TRAFFIC MANAGEMENT RESTRICTIONS	A
A1.3.1.5	NEGOTIATE TRAFFIC MANAGEMENT ACTION WITH PILOT	vc
A1.3.1.11	RECEIVE SUPERVISOR BRIEFING ON WHAT TRAFFIC CONDITIONS TO EXPECT	VC/A
A1,3,1,15	DETERMINE VALIDITY OF FLOW RESTRICTION VIOLATION INDICATION	A
A1.3.1.13	PROCESSING DEVIATIONS	
A1.3.2.3	DETERMINE MANEUVER TO ESTABLISH/ RESTORE FLIGHT PLAN CONFORMANCE	A
A1.3.2.3	RESPONDING TO SPECIAL USE AIRSPACE EVENTS	Î
A1.3.3 A1.3.3.4	DETERMINE RESTRICTIONS TO USERS NECESSARY WITHIN RELEASED AIRSPACE	A
A1, 3.3.4 A1, 5.4	ESTABLISHING ARRIVAL SEQUENCES	, and a
	PROJECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY APPROACH FLOW TO AIRPORT OR SECTOR	A
A1.3.4.2 A1.3.4.6	PROJECT MENTALLY THE ARRIVAL FLOW FOR AIRCRAFT LANDING IN OR NEAR THIS SECTOR	A
A1.3.4.0	ISSUE NEW ATTS CODE	vc
ļ	INFORM PILOT TO OBTAIN NEW ATIS INFORMATION	vc vc
A1.3.4.8 A1.3.4.9	ISSUE NEW ATTS INFORMATION	vc vc
A1.3.4.9	MANAGING DEPARTURE FLONS	, ,,
A1.3.5.4	PROJECT TRAFFIC SEQUENCE TO ESTABLISH/ MODIFY DEPARTURE FLOW	A
A1.3.6	MONITORING NON-CONTROLLED OBJECTS	l ^
A1.3.7	RESPONDING TO TEMPORARY RELEASE OF AIRSPACE REQUESTS	
A1.3.7	DISCUSS RELEASE OF AIRSPACE FOR TEMPORARY USE WITH SUPERVISOR/ OTHER CONTROLLER	A/VC
A1.3.8	REQUESTING TEMPORARY RELEASE OF AIRSPACE	1 7,00
A1.4	ROUTE OR PLAN FLIGHTS	
A1.4.1	PLANNING CLEARANCES	
A1.4.1.11	DETERMINE APPROPRIATE MENTAL OR AUTOMATED PLAN FOR AIRCRAFT CLEARANCE	A
A1,4,1,12	DISCUSS CLEARANCE ALTERNATIVES WITH PILUI	l vc
A1,4,1,14	DETERMINE PRIORITY OF CONTROL ACTIONS	ļ
A1.4.1.16	FORMULATE CONTROLLER PLAN OF ACTION FOR CLEARANCE GENERATION	A
A1,4,1,10	EVALUATE MENTAL FLIGHT PLAN PROJECTION FOR APPROPRIATENESS	A
A1.4.1.18	EVALUATE AUTOMATED FLIGHT PLAN PROJECTION FOR APPROPRIATENESS	) Â
A1.4.2	RESPONDING TO CONTINGENCIES	^
A1.4.2.3	ISSUE INSTRUCTIONS TO PILOT (NORDO) FOR IDENTIFICATION TURN/ TRANSPONDER RESPONSE	vc
A1.4.3	RECOGNIZING SPECIAL OPERATIONS	"
A1.4.4	REVIEWING FLIGHT PLANS	
A1.4.4.6	RECEIVE FLIGHT PLAN FROM PILOT	Vc vc
A1,4,4.7	RECEIVE FLIGHT PLAN VERBALLY FORWARDED	vc vc
A1.4.4.8	QUERY PILOT ABOUT FLIGHT PLAN	VC VC
A1.4.4.10	FORWARD FLIGHT PLAN VERBALLY	vc vc
		"

Task Number	Task Statement,	Task Type
41 / 5	PROCESSING FLIGHT PLAN AMENDMENTS	
41.4.5 A1.4.5.6	RECEIVE FLIGHT PLAN AMENDMENT VERBALLY FORWARDED	vc
A1,4,5.6		VC VC
A1.4.5.7	RECEIVE PILOT'S POSITION REPORT	<b>.</b>
A1.4.5.8	FORWARD FLIGHT PLAN AMENOMENT VERBALLY  BECELVING TRANSFER OF CONTROL / PAGAR IDENTIFICATION	VC
A1.4.6	RECEIVING TRANSFER OF CONTROL/ RAGAR IDENTIFICATION	1.
A1.4.6.5	DETERMINE THAT AIRCRAFT IS ENTERING SECTOR	Α
A1.4.7	INITIATING TRANSFER OF CONTROL / RADAR IDENTIFICATION	
A1.4.7.5	DISCUSS TRANSFER OF CONTROL WITH OTHER CONTROLLER	VC
A1.4.7.6	INITIATE VERBAL HANDOFF	vc.
A1.4.8	ISSUING POINTOUTS	
A1.4.8.7	DISCUSS POINTOUT WITH OTHER CONTROLLER	vc
A1.4.9	RESPONDING TO POINTOUTS	
A1.4.10	ISSUING CLEARANCES	
A1,4,10.3	SUGGEST CLEARANCE ALTERNATIVES TO PILOT	vc
A1,4,10.4	FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS	A
A1.4.10.5	ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT	vc
A1.4.10.8	QUERY PILOT REGARDING CONFORMANCE WITH CLEARANCE	vc
A1,4,11	PROCESSING TRIAL PLANS	
A1.4.11.1	DETERMINE NEED FOR TRIAL PLAN	A
A1,4,11.9	EVALUATE TRIAL PLANNING RESULTS FOR CORRECTNESS/ APPROPRIATENESS TO TRAFFIC SITUATION	А
A1.4.11.10	FORMULATE TRIAL PLAN MENTALLY	A
A1.4.12	MANAGING AUTOMATED HANDOFF AND POINTOUT FEATURES	
A1.4,13	ESTABLISHING, MAINTAINING, AND TERMINATING RADIO COMMUNICATIONS	
A1.4.13.1	RECEIVE REQUEST TO CANCEL AIR TRAFFIC SERVICES	vc
A1.4.13.2	TERMINATE RADIO COMMUNICATIONS WITH AIRCRAFT	vc
A1,4.13.3	RECEIVE ARRIVAL MESSAGE	vc
A1,4.13.5	ISSUE CHANGE OF FREQUENCY TO PILOT	vc
A1,4.13.6	RECEIVE INITIAL RADIO CONTACT FROM PILOT	vc
A1,4.14	ESTABLISHING/ REESTABLISHING RADAR IDENTIFICATION	-
A1.4.14.2	INFORM PILOT THAT RADAR CONTACT IS ESTABLISHED	vc
A1,5	ASSESS WEATHER IMPACT	
A1.5.1	RESPONDING TO SIGNIFICANT WEATHER INFORMATION	
Λ1.5.1.5	CETERMINE WHETHER ANOTHER CONTROLLER OR PILOT NEEDS WEATHER ADVISORY	A
41.5.1.6	DETERMINE WEATHER IMPACT ON ROUTES/ FLOW	A
A1,5.1.7	DETERMINE ALTITUDE/ ROUTE CHANGE TO BYPASS SEVERE WEATHER	A
A1.5.1.16	BROADCAST RECORDED WEATHER INFORMATION	vc
A1.5.2	PROCESSING WEATHER REPORTS	1
A1.5.2.6	REVIEW ATTS VOICE RECORDING	VC/A
A1.6	MANAGE SECTOR/ POSITION RESOURCES	
A1.6.1	BRIEFING RELIEVING CONTROLLERS	
}		1

Task Number	Fask Statement	Task Type
2		
A1.6.2	ASSUMING POSITION RESPONSIBILITY	
A1.6.2.10	DETERMINE IF READY TO ACCEPT CONTROL RESPONSIBILITY	<b> </b> ^
A1.6.3	RESPONDING TO TRANSIENT COMPUTER FAILURES	
A1.6.4	EXECUTING BACKUP PROCEDURES FOR SECTOR SUITE FAILURES	
A1.6.5	EXECUTING BACKUP PROCEDURES FOR ACCC FAILURES	
A1.6.5.2	REVERT TO ACCC BACKUP PROCEDURES (TBD)	TBD
41.6.5.3	REVERT TO ACCC EMERGENCY MODE PROCEDURES (TBD)	TBD
41.6.5.5	REVERT TO ACCC REDUCED CAPABILITY MODE PROCEDURES (TRD)	T80
41.6.5.6	RECEIVE CONFIRMATION OF COMPUTER ACTION DURING TRANSITION STAGES	VC
A1.6.6	EXECUTING BACKUP NAVAID PROCECURES	
A1.6.6.10	DISCUSS APPROPRIATENESS WITH SUPERVISOR OF RELEASING EQUIPMENT TO MAINTENANCE	A/VÇ
A1.6.6.11	REVIEW NEED/ CANCELLATION OF SUBSTITUTE ROUTING WITH SUPERVISOR	A/VC
A1.6.7	EXECUTING BACKUP PROCEDURES FOR COMMUNICATION FAILURES	Ì
41.6.7.1	DETECT COMMUNICATION FAILURE	VC/A
A1.6.8	MANAGING PERSONAL WORKLOAD	
A1.6.8.1	DETERMINE IMPENDING CONTROLLER CVERLOAD	A
-1.6.8.2	EVALUATE WORKLOAD FACTORS NOT INCLUDED IN AUTOMATED INFORMATION	A
A1.6.8.ō	EVALUATE SECTOR WORKLOAD PREDICTIONS	ρ.
A1.6.9	PERFORMING PROCEDURES FOR NON-RADAR ENVIRONMENT	
A1.6.9.1	INFORM PILOT OF RADAR CONTACT LOST	vc
A1.6.9.4	TERMINATE RADAR SERVICE TO AIRCRAFT	vc
A1.6.9.8	REQUEST PILOT POSITION REPORTS	vc
A1.6.10	EXECUTING BACKUP PROCEDURES FOR LOSS OF FLIGHT PLAN DATA BASE	
A1.6.11	RESPONDING TO TRANSIENT VSCS FAILURES	
A1.G.11.1	DETECT UNRELIABLE VSCS COMMUNICATION	A/VC
A1.6.11.3	ISSUE ALTERNATE COMMUNICATION FOR AIR/ GROUND TRANSMISSION	vc
A1.6.12	RESPONDING TO AIRSPACE RECONFIGURATIONS/ RESECTORIZATIONS	
A1.6.13	RESPONDING TO SENSOR OUTAGES	
		İ

# APPENDIX G

#### SITE VISIT INFORMATION

No Air Traffic Control sites were visited as part of the preparation of this version of Volume II. Operations content was derived from the earlier report of ACF/ACCC controller tasks [8] and from the current System Level Specification [21]. The task and element information was presented to the Sector Suite Requirements Validation Team (SSRVT) for review and validation. In the preparation of the earliest version of terminal and en route controller analyses [2, 6], a significant number of ATC facilities were visited and site personnel interviewed.

#### APPENDIX H

#### EXPANDED OPERATIONAL SCENARIOS

This appendix contains expansions of the four baseline scenarios for ACCC terminal and en route controllers (Appendix B of Volume I):

Scenario I:

En Route High Altitude

Scenario II:

Terminal Departure Sector

Scenario III:

En Route Low Altitude

Scenario V:

Terminal Arrival Sector

Appendix B in Volume I of this series contains the background description of each scenario, the baseline scenarios from which the present expansion was produced, and the map of the fictitious airspace assumed for these scenarios. The explanation of these scenarios is presented in Section 3.2.6 of Volume I.

The scenarios are expanded by analysis of the baseline scenario data versus the Composition Graphs in Appendix A and the Task Information Requirements in Appendix D to show in detail how the controller might respond under each applicable scenario in the ACF/ACCC time frame. Thus, these expanded scenarios present a solution for each problem posed in the baseline scenarios.

Expanded scenarios in this appendix contain seven columns of data:

Time (in Zulu time reference) for each situation presented

**Situation** as introduced in the baseline scenario

Controller Task to identify the number and statement of tasks that are pertinent to that situation

**Display Output Requirements** to identify display output data objects that are pertinent to each scenario task

Source of the listed display outputs

Data Input Requirements to identify controller input data objects that are pertinent to each scenario task

Remarks to explain VSCS actions and other useful information.

Above the last four columns is a line identifying the reference number for the scenario situation being presented. This number is to be used to track scenario situations between baseline and expanded scenario descriptions.

NOTE: Due to the extensive revision of the data in this Appendix, black lines (side bars) in the margins to indicate substantive changes (see Foreword) from the original volume have not been used.

			OPERATIONAL SCENARIOS	IARIOS		
SCENARIO I:	AIO (: EN ROUTE HIGH A	GH ALTITUDE ACCC	DA.	ACTIVITY: ROUTINE	, , , , , , , , , , , , , , , , , , , ,	PAGE 1
TIME Z	SITUATION	CONTROLLER TASK	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
	Following sequence is ropeladdor each extend arrant (one per minute). Entire sequence performed over approximately two minutes.					
	ARCRAFT IN TRANSITION STATUS INTO SECTOR	A146.1 RECEIVE HANDOFF RECUEST	HANDOFF STATUS/ IMDICATOR	FULL DATA BLOCK		
		A1.46.61 F "AINE RESPONSE TO HANDOFF REQUEST	FULL DATA BLCCK, GEOGRAPHIC MAP DATA, TARGET/TRACK DESCRIPTOR	SITUATION DISPLAY		
		A1.4 6.4 ACCEPT AUTOMATIC HANDOFF			FLIGHT ID, ACCEPT HANDOFF FUNCTION	
		A14.13 & RECEIVE INITIAL RADIC CUNTACT FROM PILOT				
		A13.5.1 VALIDATE MODE C ALTITUDE	MODE C ALTITUDE	FULL DATA BLOCK		
	Following sequence is repealed at random times, repealedly this soonario					
	CHECKING AND EVALUATING SEPARATION	A1.1.1 REVIEW FLISHT DATA DISPLAY FOR PRESENT AND/OH FUTURE AIRCRAFT SEPARATION	FLIGHT DATA ENTRY	FLICHT DATA DISPLAY		
		ATTTZ REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION CF AIRCRAFT SEPARATION STANDARDS	FULL DATA BLOCK, TAPGET/ TRACK DESCRIPTOR	SITUATION DISFLAY		
		ALTLIA PROJECT MENTALLY AN AIRCRAFTS FUTURE POSITIONAL TITUDE/PATH				
		ALT.12 REVIEW SITUATION DISPLAY FOR POTENTIAL NOLATION OF ARSPACE SEPARATION STANDARDS	FULL DATA BLOCK, TARGET. TRACK DESCRIPTOR. GEOGRAPHIC MAP DATA	SITUATION DISPLAY		

		OPERATIONAL SCENARIOS	NARIOS		
SCENARIO I: EN ROUT	EN ROUTE HIGH ALTITUDE ACCC	A,C	A.CTIVITY: ROUTINE	ш	PAGE 2
SITUATION	CONTHOLLER	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
	FOR POTENTIAL VIOLATION OF FLOW RESTRICTION	FULL DATA BLOCK, TAPCETY TRACK DESCRIPTOR, IN- TRAIL RESTRICTIONS, SPECIAL ROUTING HEROUTING, ALTITUDE RESTRICTIONS, METERING ADVISORY LIST ENTRY, FLIGH DATA ENTRY, WEATHER	SITUATION DISPLAY, TRAFFIC MANAGE. MENT ADVISORY LIST, METE, NIG ADVISORY LIST, FITGHT DATA DISPLAY		
	A1.1.14 REVIEW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF CONFORMANCE CRITERIA	TARGET/154CK DESCRIPTOR, ALTITUDE NONCONFORMANCE INDICATOR, GEOGRAPHIC MAP DATA	SITUATION DISPLAY		
	A1.1.15 DETERMINE WHETHER ATSPACE SEPARATION STANDARDS MAY BE WOLATED	FULL DATA BLOCK, TARGET/ TRACK DESCRIPTOR, GEO- GRAPHIC MAP DATA	SITUATION DISPLAY		
	A11.6.1 OFFSET A DATA BLOCK	FULL DATA BLOCK	SITUATION DISPLAY	MANUAL OFFSET DATA BLOCK FUNCTION, LEADER DIRECTION PRINCTH	
Following sequence is performed for each sixing sirical I (1 each minute). Entire sequence performed over approximately Iwo minutes					
AIPCRAFT IN TRANSITION STATUS EXITING SECTOR	ON A1.7.2 OBSERVE AUTO- MATIC INITIATION OF HANDOFF	HANDOFF STATUS/INDICATOR	FULL DATA BLOCK		
<del></del>	ACCEPTANCE ACCEPTANCE	HANDOFF STATUSANDICATOR	FULL DATA BLOCK		
	A1.4.13.4 DETERMINE FREQUENCY IN USE BY RECEIVING SECTOR	RADIO FREQUENCY(S)	SYSTEM STATUS DAT. DISPLAY, VSCS AG DISPLAY		
	A1.4.13.5 ISSUE CHANGE OF FREQUENCY TO PILOT				

		3	OPERATIONAL SCENARIOS	ARIOS		
SCENARIO I:	NO 1: EN ROUTE HIGH	GH ALTITUDE ACCC	ACT	ACTIVITY: ROUTINE,	5, 1-1, 1-2	PAGE 3
TIME	SITUATION	CONTROLLER TASK	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
		A1.1.6.11 ENTER FDE POTATIONS			FREQUENCY CHANGE, ENTER FDE NOTATION MESSAGE	
		A1.47.8 DETERMINE THAT ARCRAFT IS LEAVING SECTOR	TARGE TATRACK DESCRIPTOR SECTOR BOUNDARY	SITUATION DISPLAY		
		A1165 SUPPRESS DISPLAY OF FLIGHT DATA ENTRY AND FULL DATA BLOCK FROM ALL DISPLAYS IN OWN SECTOR SUITE	FLIGHT DATA ENTRY, FULL DATA BLOCK	SITUATION DISPLAY. FLIGHT DATA DISPLAY	SUPPRESS FULL DATA BLOCK AND FUGHT DATA ENTRY MESSAGE, FUGHT ID	
1704:00	GROUP SUPPRESSION	A1253SUPPRESS CONFLICT ALERT FOR GROUP SUPPRESSION			GROUP SUPPRESSION MESSAGE. FLIGHT 10, GROUP 10	(11) SUPPRESS CONFLICT ALERT FUNCTION FOR AGE04 AND ACME20
, 705:30	IMPENDING AIRSPACE CONFLICT	A14.11.12 RECEIVE ALERT OF PREDICTE 3 PROBLEM WITH SPECIFIED PLAN	AIRSPACE CONFLICT NUTICE	ALEHT AND RESOLU- TION DISPLAY		(1.2)
		A1236 DETERMINE VALID- ITY OF AIRSPACE CONFLICT NOTICE OR INDICATION	FUGHT DATA ENTRY, C.E.O. GRAPHIC MAP DATA, DATA BLOCK	FLIGHT DATA DISPLAY, SITUATION DISPLAY		(5-1)
		A12.1.7 REVIEW POTENTIAL CONFLICT FOR RESOLUTION	FULL DATA BLOCK, FUGH" DATA ENTRY	FLIGHT DATA DISPLAY, SITUATION DISPLAY		(+2)
		A1.4.11 7 REQUEST QUICK TRIAL PLANNING			OUICK TRIAL PLANNING, FLIGHT ID(I-2) MANEUVER TYPE	(1-2)
		A14.11.17 PEQUEST ARSPACE CONFLICT DISPLAY			RECUEST AIRSPACE CONFLICT DISPLAY MESSAGE, FLICHT ID	(1-2)
		A12.3.8 DETE "MINE APPROPRIATE ACTION TO RESOLVE AIR SPACE CONFLICT SITUATION	TRIAL PLAN	ALERT AND RESOLU- TION DISPLAY		(4-2)
1706.00	ISSUING CLEARANCES	A14.104 FORWULATE A CLEARANGE WITH APPROPRIATE INSTRUCTIONS				(1.2) DESIGNA CLEARANCE FCR DAL745
		A14:10,5 ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT		vscs		(F2) INITIATE AB-TO-GROUND COMMUNICATIONS (DELIVER CLEARANCE TO DALAS VIA AVC COMMUNICATIONS)

		0	OPERATIONAL SCENARIOS	ARIOS		
SCENARIO I:	RIO I: EN ROUTE HIGH	SH ALTITUDE ACCC	ACTI	ACTIVITY: 1-2,1-3,	, 1 - 4, 1 - 5	PAGE 4
TIME	SITUATION	CONTROLLER TASK	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
		A1.6.10.4 FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS				(i.2) DESIGN A CLEARANCE FOR EAL255
		A1.4.10.5 ISSUE CLEAFANCE AND INSTRUCTIONS TO PILOT	RADIO FREQUENCY(S)	VSCS		(I-2) INITIATE AIR-TO-GROUND COMMUNICATIONS (ISSUE CLEARANCE TO EAL259)
1708:00	RESPONDING TO POINTOUTS	A1.4.9.1 RECEIVE POINTOUT	FULL DATA BLOCK	SITUATION DISPLAY		(J-3) RECEIVE A POINTOUT FROM SECTOR 72 ON M34581
		A1.4.9 5 DETERMINE RESPONSE TO POINTOUT	FULL DATA BLOCK, FLIGHT DATA ENTRY, GEOGRAPHIC MAP DATA	SITUATION DISPLAY. FLIGHT DATA DISPLAY		(1-3)
		A1.4.9 2 ACCEPT POINTOUT			POINTOUT ACCEPT FUNCTION. FLIGHT ID	(1-3) ACCEPT POINTOUT M34581
1709 00	MANAGING AIR TRAFFIC SEOUENCES	A1.3.1 6 RECEIVE TRAFFIC MANAGEMENT RESTRICTION	TRAFFIC MANAGEMENT RESTRICTION	ATC MAIL		(1-4) RECEIVED WA ATC MAIL
		A13.1.10 REVIEW TRAFFIC FLOW WITH SUPERVISOR	TRAFFIC MANAGEMENT INFORMATION	SITUATION DISPLAY, FLIGHT DATA CISPLAY TRAFFIC MANAGE- MENT ADVISORY LIST, METERING ADVISORY LIST, VSCS		( <del>-</del> 1)
1712:00	RESPONDING TO CONTINGENCIES	A1.4.2.14 RE DEIVE PILOT NOTICE OF EMERGENCY DECLARED	RADIO FRECUENCY(S)	vscs		(1-5) RECEIVE AIR-TO-GROUND COMMUNICATIONS
		A1.4.2.1 DECLARE EMERGENCY AND INVOKE CONTINGENCY PLAN	LIST OF AIRPORTS, HEADING, DISTANCE TO AIR- PORT, ESTIMATED TIME TO AIRPORT	EMERGENCY ARPORT LIST	FLIGHT IDENTIFICATION, EMERGENCY AIRPORT MESSAGE	(1-5)
1712:30	ISSUING CLEARANCES	A1.4.10 5 ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT	RADIO FRECUENCY(S)	vscs		P-5) INITIATE AIR-TO-GROUND COMMUNICATION (ISSUE CLERANOE FOR
1712:45	CHANGING BEACON CODE	A1.1.5.4 REQUEST/ASSIGN BEACON CO DE TO AIRCRAFT	FULL DATA BLOCK	SITUATION DISPLAY	DISCRETE CODE REQUEST/ ASSIGNMENT, FLIGHT ID	DESCENT AND CITED REPORTS TO EMERGENCY AIRPORT) (1-5)

	PAGE 5	REMARKS	(i-5) PEQUEST FOR CLEARANCE TO AN ALTITUDE SELOW THE STRATUM CONTROLLED BY PRIMARY CONTROLLER	(15) RECEIVE CLEARANCE APPROVAL	(1:5) DESIGN A CLEARANCE FOR DAL67	(14) INITIATE AIR-TO-GROUND COMMUNICATION (ISSUE A CLEARANCE TO AN ALTITUDE BELCW STRATUM BEING CONTROLLED BY HIGH ALTITUDE CCATROLLED FOLEARANCE TO DALED)	(1-5) INITIATE C/G COMMUNICATIONS	(1-6) RECEIVE G/G COMMUNICATIONS SECTOR 30 REQUEST USEOF	INCORRECT ALTITUDE FOR UAL624 (1-6) INITIATE G/G COMMUNICATIONS (SECTOR 30 COVITROLL ER ADVISES, UNARLE, EREQUEST	HEFERENCE UALDZA) (16) ENTERING FLIGHT PLAN AMENDMENT ON DALG?	(I-5) HANDOFF OF DAL67 TO SECTOR 72	(45) RECEIVE HANDOFF ACCEPT DAY 62 FHOM SECTOR 72
		DATA INPUT REQUIREMENTS							FLIGHT DATA AMENDMENT MESS- AGE, FLIGHT IDENTIFICATION, FIELD TO EE MODIFIED, NEW DATA	NITIATE HANDOFF MESSAGE. RIGHT IDENTIFICATION, SECTOR NUMBER		
ARIOS	ACTIVITY: 1-5, 1-6	SOURCE				SOSA	VSCS	VSCS	vscs	FLIGHT DATA DISPLAY	S(TUATION DISPLAY	SITUATION DISPLAY
OPERATIONAL SCENARIOS	ACT	DISPLAY OUTPUT REQUIREMENTS				RADIO FREQUENCY(S)				RIGHT DATA ENTRY	FULL DATA BLOCK	FULL DATA BLOCK
	H ALTITUDE ACCC	CONTROLLER	A1414 FORWARD CLEAR. ANCE REQUEST TO ANOTHER CONTROLLER	A1.41.6 RECEIVE CLEARANCE APPROVAL CLEARANCE RESTRICTIONS FROM ANOTHER CONTROLLER	A14.19.4 FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS	A14.10.5 ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT	A1.4.2.5 FORVIARD CONTINGENCY INFORMATION TO SUPERVISOR/ANOTHER CONTROLLEF.	A145.11 RECEIVE REQUESTED "LIGHT PLAN CHANGES	A1,4 5.9 INFORM CONTROLLER UNABLE FLIGHT PLAN AMENDMENT	A1.4.5.3 ENTER F.1.3HT PLAN AMEND VIENT	A1.4.7.1 INTIATE HANDOFF FUNCTION	A1.4.7.4 RECEIVE HANDOFF ACCEPT
	IO 1: EN ROUTE HIGH ALTI	SITUATION	RESPONDING TO CONTINGENCIES		ISSUING CLEARANCES		RESPONDING TO CONTINGENCIES	PROCESSING FLIGHT DATA CHANGES		PHOCESSING FLIGHT PLAN AMENDMENTS	INITIATING TRANSTER OF CONTROURADAR ID	
	SCENARIO I:	TIME	1713.00		1713:15		1713.50	1714.00		1715:06	1715:15	

		)	OPERATIONAL SCENARIOS	ARIOS		
SCENARIO I:	OIS EN ROUTE HIGH A	GH ALTITUDE ACCC	AC	ACTIVITY: 1-5, 1-7	2	PAGE 6
TIME 2	SITUATION	CONTROLLER TASK	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT BEQUIREMENTS	REMARKS
1715.45	ESTABLISHING, MAINTAINING, AND TEHMINATING RADIO COMMUNICATIONS	A1.4.13 4 DETERMINE FREQUENCY IN USE BY RECEIVING SECTOR	PRIMARY FREGUENCY IN USE BY RECEIVING SECTOR	SYSTEM STATUS DATA DISPLAY		(15) FREQUENCY IN USE BY SECTOR 72
		A1A.13 SISSUE CHANGE OF FREQUENCY TO PILOT	RADIO FREGUENCY(S)	, vscs		(15) INITIATE AIR-TO-GROUND COMMUNICATION (ISSUE CHANGE OF FREQUENCY TO DAL67)
1717-00	HOUSKEEPING	ATTES SUPPRESS DISPLAY OF PIGHT DATA ENTRY AND FULL DATA EUTCK FROMALL DISPLAYS IN OWN SECTOR SUITE	FULL DATA BLOCK, FLIGHT DATA ENTHY	FLIGHT DATA DISPLAY, SITUATION DISPLAY	SUPPRESS FULL DATA BLOCK AND FLIGHT DATA ENTRY, FLIGHT ID	(1-5) SUPPRESS FDE AND FDB ON DAL67
171900	PROCESSING RECUEST FOR ALTITUDE CHANGE	A145.11 RECEIVE RECUESTED FLIGHT PLAN CHANGE		VSCS		(I-7) RECEIVE AIR-TO-GROUND COMMUNICATIONS (UAL106 REPORTS SEVERE
:719.05	RECEIVING PILOT REPORT	A15.1.8 REC SIVE PIREP ON WEATHE 1		vscs		TURBULENCE, REQUESTS ALTITUDE CHANGE) (i-7)
1719:15	REVIEWING TRAFFIC SITUATION					RECEVE AIR-10-GROUND COMARUMICATIONS (UAL) 05 REPOSTS SEVERE TURBUL ENCE, REQUESTS AI, TITUDE CHANGE)
		A1.1.1 REVIEW FLIGHT DATA DISPLAY FOR PRESENT AND/ OR FUTURE AIRCRAFT SEPARATION	FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY		(47) CHECKING FLIGHT DATA ENTRIES REFERENCE REQUEST URL 105
		A1.1.1.2 REV. EW SITUATION DISPLAY FOR POTENTIAL VIOLATION OF AIRCRAFT SEPARATION STANDARDS	FULL DATA BLOCKS, LIMITED DATA BLOCKS, POSITION SYMBOLS, GEOGRAPHIC MAP DATA	SITUATION DISPLAY		(i-7) CHECKING SITUATION DISPLAY REFERENCE RECYJEST UAL 105
1719.30	FORWARDING REGUEST FOR ALTITUDE CHANGE	A.1.4.1 4 FOFWARD GLEAR- ANCE REQUEST TO ANOTHER CONTROLLER		SOS.		(4-7) INITIATE GIG COMMUNICATIONS (FORWARD REQUEST UAL 105 TO SECTORS 92 AND 93)
		A14.16 REC EIVE CLEARANCE APPROVAL CLEARANCE RESTRICTION FROM ANOTHER CONTROLLER		vscs		(1-7) RECEINE G/G COMMENICATIONS

			OPERATIONAL SCENARIOS	ARIOS		
SCENARIO I:	RIO I: EN ROUTE HIGH ALT	GH ALTITUDE ACCC	ACT	ACTIVITY: 1-7,1-8		PAGE 7
TIME	SITUATION	CONTROLLER	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
1719 50	ISSUING CLEARANCES	A14.104 FORMULATE A CLEARANCE WITH APPROFRIATE INSTRUCTIONS				(1-7) DESIGN A CLEARANCE FOR UAL105
250 30	FORWARDING PIREP	A1.4.10 5 ISSUIE CLEARANCE AND INSTRUC" IONS TO PILOT	RADIO FREGUENCY(S)			(i.7) INITATE AIR. TO GROUND COMMUNICATIONS (ISSUE CLEARANCE TO UAL10S)
1721.00	FLIGHT PLAN AMENDMENT	A1.5.1.4 ENTER PIREP INTO SYSTEM	PIREP ENTRY	A&M DATA DISPLAY	PIREP MESSAGE, PLIGHT ID. TYPE AIRCRAFT, LOCATION, TIME, COORDINATION, TEXT	(H7) ENTER PIREP TO SYSTEM & OIHER SECTORS AFFECTED
1722.00	INITIATING TRANSFER OF CONTROLL RADAR ID	A1.45.3 ENTER FLIGHT PLAN AMENDMENT	FLIGHT DATA ENTRY, FU! <u>.1</u> DATA BLOCK	FLIGHT DATA DISPLAY. SITUATION DISPLAY	R.KEHT DATA AMENDMENT MESSAGE, FLIGHT 19, FIELD TO BE MODIFIED, NEW DATA	(1.7) ENTER ALTITUDE CHANGE FOR UAL 105
		A1.4.7.2 OBSERVE AUTOMATIC INITIATION OF HANDOFF	FULL DATA BLOCK, HANDGFF STATUS INDICATOR	SITUATION DISPLAY .		(1-8) AUTOMATIC HANDOFF TO SECTOR 90 ON EAL344
		A1.4.7.5 DISCUSS TRANSFER OF CONTROL WITH OTHER CONTFOLLER (SECTOR 90 CONTROLLER)				(i 8) COORDINATE WITH SECTOR 90 CONTROLLER WHO ADVISES HE ONLY DESIRES A POINTOUT
		A14.7.3 RETRACT HANDOFF	FULL DATA BLOCK, HANDCFF ALERT INDICATOR.	SITUATION DISPLAY	PLIGHT ID, RETRACT HANDOF? FUNCTION	(I-8) SECTOR 80 CONTROLLER RETRACTS HANDOFF
1722:30	ISSUING POINTOUTS	A1.48.1 INITIA"E POINTOUT (TO SECTOR 9.)	FULL DATA BLOCK, POINTOUT INDICATOR	SITUATION DISPLAY	RIGHT ID, POSITION OR FACILITY. INITIATE POINTOUT FUNCTION	(I-8) SECTOR 80 CONTROLLER INTIATES A POINTOUT TO SECTOR 90
		A148.4 RECEIVE ACCEPTANCE OF POINTOUT	FULL DATA BLOCK, POINTOUT INDICATOR	SITUATION DISPLAY		(H9) SECTOR 80 RECEIVES NOTICE OF POINTOUT ACCEPT FROM SECTOR 90
1722:45	INITATING TRANSFER OF CONTROL/AADAR	A1.4.7.1 INITIA"E HANDOFF FUNCTION	FULL DATA BLOCK, HANDC.FF STATUS INDICATOR	SITUATION DISPLAY	ALIGHT 10, POSITION OR FACILITY, INITIATE HANDOFF FUNCTION	(H8) SECTOR 80 NITIATES HAND- OFF TO SECTOR 43
		A14.7.4 RECEIVE HANDOFF ACCEPTANCE	FULL DATA BLOCK, HANDOFF STATUS INDICATOR	SITUATION DISPLAY		(I-8) SECTOR 93 ACCEPTS HAND. OFF

		)	OPERATIONAL SCENARIOS	ARIOS		
SCENARIO I:	1	GH ALTITUDE ACCC	ACT	ACTIVITY: 1-9,1-10		PAGE 8
TIME Z	SITUATION	CONTROLLER TASK	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
1724.00	EXECUTING BACKUP NAVAID PROCEDURES	A1.6.6.4 RECEIVE NOTICE OF NAVAID STATUS		ATC MAIL OR VSCS		(1-9) RECEIVE G/G COMMUNICATIONS
		A1.6.6 1 DETERMINE AIRCRAFT NEEDING SUB- STITLTE ROLTING	FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY		(6-1)
		A1.66.3 OESE:RVE SUB- STITUTE ROUTING ON DISPLAY	SUBSTITUTE ROUTING	STATIC INFORMATION DISPLAY, TRAFFIC MANAGEMENT ADVISORY LIST		(4-9)
		A1.6.7 FORWARD NAVAID STATUS TO ANOTHER CONTROLLEWSUPERVISORY PILOT		ATC MAIL OR VSCS		(1:9) INITIATE G/G COMMUNICATIONS
		A1.66.8 FORWARD SUB- STITUTE ROL TING (TO ANCTHER CCNTROLLER OR FACILITY)		ATC MAIL OR VSCS		(1:9) INITIATE G/G COMMUNICATIONS
1725.00	ISSUING CLEARANCES	A1.4.10.4 FOF MULATE A CLEARANCE WITH APPRO- PRIATE INSTRUCTIONS				(1-9) DESIGN A CLEARANCE FOR ARCRAFT TO USE SUBSITUTE ROUTING
		A14.105 ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT		vscs		(I-9) INTIATE AIR-TO-GROUNDS COMMUNICATIONS (SUBSTITUTE ROUTING)
00:9221	PROCESSING DEVIATIONS	A1.3.2.6 DETECT LATERAL/ ALTITUDE NONCONFOR- MANCE INDICATION	FULL DATA BLOCK, ALTITUDE NONCONFORMANCE INDICATOR	SITUATION DISPLAY		(1-10) N325LJ
		A132.12 EVALUATE ALTITUDE NONCONFORMANCE INDICATION FOR ACTION NEEDED		SITUATION DISPLAY		(t-10)
1726.20	ISSUING CLEARANCES	A1.4.10.4 FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS				(I-10) DESIGN A CLEARANCE FOR N325LJ
		A1.4.105 ISSUE CLEAHANCE AND INSTRUCTIONS TO PILOT		VSCS		(4-10) INTITATE AIR-TO-GROUND COMMUNICATIONS (ISSUE CLEARANCE TO PLACE NAZSIJ IN CONFORMANCE)
1730 00	SCENARIO ENDS					

			OPERATIONAL SCENARIOS	ARIOS		
SCENARIO II: TER	TERMINAL DEPART	EPARTURE SECTOR ACCC		ACTIVITY: 11-1, 11-	-2, 11-3	PAGE 1
SITUATION	TION	CONTROLLER TASK	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
AIRSPACE IN NON-CONTRO	AIRSPACE INTRUSION BY NON-CONTROLLED OBJECT	A13.6.1 OBSERVE AIRSPACE INTRUSION BY A NON: CONTROLED OBJECT	UNASSOCIATED TARGET SYMBOL	SITUATION DISP.AY, VSCS		(1-1)
		A1.1.42 INITIATE TRACK MANUALLY			TRACK, FLIGHT ID (PSEUDO), COORDINATES	( -1)
		A1.3.6.2 ENTER CONTROLLER NOTE		CONTROLLER NOTEPAD DISPLAY	FREE TEXT, ENTER CONTROLLER NOTE	(41-1)
		A1363 FLIGHT-FOLLOW AN OBSERVED NON-CONTROLLED OBJECT	FULL DATA BLOCK, PRIMARY TARGET	SITUATION DISPLAY		(II-1)
AIPCRAFT SECTOR	AIRCRAFT TO EDGE OF SECTOR	A1.4 7.9 DETECT MANUAL HANDOFF MODE INDICATOR	FULL NATA BLOCK	SITUATION DISPLAY		(11-2)
		A14.7.1 INTIATE HANDOFF FUNCTION			HANDOFF FUNCTION, SECTOR NUMBEA, FLIGHT 10	(II-2) HANDOFF AWE110 TO SECTOR 71
		A1.4.7.15 REJEIVE HANDOFF REJECTION		VSCS		(fi-2) RECEIVING G/G COMMUNICATIONS (HANDOFF REJECTION FROM SECTOR 71
		A1.4.7.5 DISCUSS TRANSFER OF CONTROL WITH OTHER CONTROLLER		ASCS		(II-2) RECEIVING G/G COMMUNICATIONS
		A1.4.7.14 REDIRECT HANDOFF			RED!RECT HANDOFF MESSAGE, SECTOR NUMBER, FLIGHT 10	(II-2) HANDOFF AWE110 TO SECTOF 70
		7.4 RECEIVE HANDOFF F EPTANCE	FULL DATA BLOCK, SECTOR NUMBER, HANDOFF ACCEPTANCE	SITUATION DISPLAY		(II-2) HANDOFF ACCEPTANCE FROM SECTOR 70 ON AWE110
AMENDE DESTINA CLEARAI	AMENDED ROUTE/ DESTINATION ALTITUDE, CLEARANCE DELIVERY	A1.4.1.2 RECEIVE CLEARANCE REQUEST FROM ATCT/FSS/ PILOT/SUPEFIVISOR		vscs		(II-3) COMMUNICATING NORMALLY AIR-TO-GROUND (N699LJ)
		A1.4.1.5 REQUEST CLEARANCEAPPROVAL FROM ANOTHER CONTROLLER		vscs		(II:3) INITIATING G/G COMMUNICATIONS
		A1416 REC SIVE CLEARANCE APPROVAUCI EARANCE RESTRICTION FROM ANOTHER CONTROLLEN		vscs		(II-5) RECEIVING G/G CONMUNICATIONS

			OPERATIONAL SCENARIOS	ARIOS		
SCENARIO II:		TERMINAL DEPARTURE SECTOR ACCC		ACTIVITY: 11-3, 11-	-4	PAGE 2
TIME Z	SITUATION	CONTROLLER	DISPLAY OUTPUT	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
		A14.1.10 DETERNINE APPROPRIATE MENTAL OR AUTOMATED PLAN FOR AIRCRAFT CLEAFANCE	X.	SITUATION DISPLAY, FLIGHT DATA DISPLAY		(11.3)
		A1.4 10.4 FORMULATE A CI EARANCE WITH APPROPRIATE INSTRUCTIONS				(II:3) DESIGN A CLEARANCE FOR NG99LJ
		A1 4.10.5 ISSUF CLEARANCE AND INSTRUCTIONS TO PILOT		vscs		(II:3) COMUNICATING NOPIMALLY AIR:TO GROUND (14599LJ)
		A1 4.5.3 ENTER FLIGHT PLAN AMENDMENT	FLIGHT DATA ENTRY	MC&RD, FDD	FLIGHT PLAN AMENDMENT, FLIGHT ID REVISED DATA	(II-3) ENTER ROUTE CHANGE (NGS3L)
		A1.16.11 ENTER FDE NOTATIONS		MC&RD	FDE NOTATION MESSAGE, FLIGHT III. REVISED DATA	(II.3) SPECIAL VFR, OUT OF CONTROL ZONE, ENTER FLIGHT ID (#638LJ)
		A1.1.4.3 OBSERVE AUTOMATIC TRACK START	FULL DATA BLOCK	SITUATION DISPLAY		(11-3)
		A132.14 DETECT UNREASONABLE MODE C INDICATION	FULL DATA BLOCK, UNFEASONABLE MODE C INDICATOR	SITUATION DISPLAY		(II-3) UNREASONABLE ALTITUDE (CLIMBING FASTER THAN ADAPTED VALUE)
		A1 4 10 8 QUERY PILOT REGARDING CONFORMANCE WITH CLEARANGE		vscs		(II:3) COMMUNICATING NOPMALLY AIR-TO GROUND (N699LJ)
		A1322 OBSEHVI; AIRCRAFT RESUMING NOPWAL FLIGHT PLAN	TARGET POSITION SYMBOL	SITUATION DISPLAY		(II-3)
1809-00	HANDOFF RECEIPT, AIRCRAFT TO EDSE OF SECTOR	A146.1 RECEIVE HANDOFF REQUEST	FULL DATA BLOCK, HANDOFF STATUS INDICATOR	SITUATION DISPLAY		(#4) SECTOR 60 RECEIVES HANDOF FROM SECTOR 51 ON N104PG
		A1.46.6 DETERMINE RESPONSE TO HANDOFF REQUEST	FULL DATA BLOCK, GEOGRAPHIC MAP, FLIGHT DATA ENTRY	SITUATION DISPLAY, FLIGHT DATA MALOG		(  )
		A1.4.6.4 ACCEPT AUTOMATIC HANDGFF	(TRANSFORMED) FULL DATA BLOCK	SITUATION DISPLAY	ACCEPT HANDOFF, FLIGHT ID	(II-4) SECTOR ACCEPTS HANDOFF ON NIOFG
		A1.4 13.6 RECEIVE INITIAL RADIO CONTACT FROM PILOT		vscs		(II-4) COMMUNICATING NOFMALLY AIR-TO-GROUND (N104PG)

	PAGE 3	REMARKS	(II 4) COMMUNICATING NORMALLY AIR-TO-GROUND (ISSUE ATIS TO N134PG)	(II-4) PILOT-REPORTED ALTITUDE (N104PG)	(1-4) COMPARE MODE C ALTITUDE TO REPORT FROM NICAPG	(=4)	(11-4)	(4-4)	(II-5) METEOROLOGIST FORWARDS SIGMET	(4-6)	(II-6) DESIGN A CLEARANCE FOR ALL ARCRAFT AFFECTED BY WEATHER	(11-6) COMMINICATING NOBBALLY AR-TO-GROUND	(JI-G)	( <del>9-</del> 11)	(1)-6) COMMUNICATING MORMALLY AIR-TO-GROUND (PIREP FROM N645G)
	5, 11 - 6	DATA INPUT REQUIREMENTS						DELETE NOTE, (PSUEDO) FLIGHT ID					FLIGHT ID. ENTER FDE NOTATION MESSAGE, REVISED DATA		
SCENARIOS	ACTIVITY: 11 - 4, 11 - 5,	SOURCE	ARPORT ENVIRONMENT DATA DISPLAY, VSCS	vscs	SITUATION DISPLAY	SITUATION DISPLAY	CONTROLLER NOTEPAD DISPLAY	SITUATION DISPLAY, FLIGHT DATA DISPLAY	vscs	SITUATION DISFLAY		vscs	FLIGHT DATA DISPLAY	SITUATION DISPLAY	vscs
OPERATIONAL SCEN		DISPLAY OUTPUT REQUIREMENTS	ALTIMETER SETTING		MODE C ALTITUDE, FULL BLOCK DATA	TRACK STATUS, FULL DI.TA BLOCK	(DELETION) CONTROLLER NOTEPAD DISPLAY	(DELETION) FULL DATA BLOCK, FLIGHT DATA ENTRY	s'gwet	FULL DATA BLOCK			(REVISED) FLIGHT DATA ENTRY	FULL DATA BLOCK	
	ARTURE SECTOR ACCC	CONTROLLER	A14.13.7 ISSUE ALTIMETER SETTING	A1 4.13 8 VERIFY AIRCRAFT ALTITUDE	A13.5.1 VALIDATE MODE C ALTITUDE	A16.9.10 OBSERVE AIRCRAFT IN COAST MODE	A1.1 6.14 DELETE CONTROLLER NOTE	A1.16.3 DELETE ELIGHT DATA ENTRY AND FULL DATA BLOCK FROM ATC SYSTEM	A15.1.12 PECEIVE WEATHER ADVISCAY FROM ANOTHER CONTROLLEWSUPERVISE METEOROLOGIST	A1.3 5.4 PROJECT TRAFFIC SEQUENCE TO ESTABLISH MODIFY DEPARTURE FLOW	A14.10.4 FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS	A1.4.10.5 ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT	A1.1.6.11 ENTER FDE NOTATIONS	A1.4.10.7 VERIFY AIRCRAFT COMPLIANCE WITH CLEARANCE	A1.5.1.8 RECEIVE PIREP ON WEATHER
	O II: TERMINAL DEPARTURE	SITUATION				EXIT OF NON-CONTROLLED /		- w - w	SIGMET						РІЯЕР V
	SCENARIO II:	TIME				1810 00			1812:00						1818 00

	PAGE 4	REMARKS	(II-7) COMMUNICATING NOPMALLY ARF-TO GROUND (CLEARANCE REQUEST FROM N645G)	(II-7) INITIATING CVG COMUNICATIONS (CLEAPARCE COORDINATED WITH SECTOR 6	(II-7) DESIGN A CLEARANCE FOR N645G	(II-7) COMMUNICATING NORMALLY AIR-TO GROUND (ISSUE CLEAPANCE TO N645G)	(II.7) ID DESTINATION CHANGE FOR 14645G	(II-7) APRIVAL RUMWAYAIRPORT IN SCRATCHPAD, N645G	(II.7) DISTRIBUTE PIREP TO OTHER POSITIONS THAT NEED THEORMATION	(IFB) ESB SUPERVISOR FORWARDS RUNWAY CHAPINE	(II-8) REVISE DEPARTURE RELATED DATA IN SCRATCHPIAD OF AFFECTUD ARCRAFT	(म.अ)
	-8, 11-9	DATA INPUT REQUIREMENTS					FLIGHT PLAN ANIMENDMENT, FLIGHT DATA (REVISED), FLIGHT ID	SCRATCHPAD, TEXT, FLIGHT ID	PIREP, TEXT, SECTOR NUMBER		SCRATCHPAD, TEXT,FUSHT ID	
ARIOS	ACTIVITY: II - 7, II -	SOUPCE	vscs	, scs		VSCS	FLIGHT DATA DISPLAY	SITUATION DISPLAY		AIRPOST ENVIRONIMENTAL DISPLAY DATA	FLIGHT DATA DISPLAY	STUATION DISPLAY. FLIGH DATA DISPLAY. SYSTEM DATA DISPLAY
OPERATIONAL SCENARIOS	ACCC ACT	DISPLAY OUTPUT REQUIREMENTS					FLIGHT DATA ENTRY	FULL DATA BLOCK, SCPATCH PAD		DEPARTURE & ARRIVAL ROUTES, ACTIVE RUNWAYS, ACCEPTANCE RATE, RUNWAY ALERT DATA, ATIS CHARACTER, ATIS MESSAGE	DEPARTURE LIST	FUGHTID, FUIL DATA ELOCK & FUGHT DATA ENIRY (RE. MANKS), SPECIAL ACTIVITIES
	RE SECTOR	CONTROLLER TASK	A1.4 1.2 RECEIVE CLEARANCE REOUEST FRCM ATC.F.SS/ PILOT/SUPERVISOR	ATALIS REQUEST CLEARANCEAPPROVAL FROM ANOTHER CONTROLLER	A1.4 10.4 FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS	A1 4.10 5 ISSUE A CLEARANCE AND INSTRUCTIONS TO PILOT	A1.4.5.3 ENTEP FLIGHT PLAN AMERIDIAENT	A1.4.14 ENTER SCRATCH PAD DATA IN FULL DATA BLOCK	A15.121 FORVARD URGENT PREP TO OTHER CONTROLLER	A1.5.2 9 RECEIVE RUNWAY USE DATA	A1.4.4.14 ENTER SCIRATCH PAID DEPARTURE LIST DATA IN FULL DATA BLOCK	OF SPECIAL OVERATION
	RIO II: TERMINAL DEPARTU	SITUATION								RUNWAY CONFIGURATION CHANGE		AIFSHOW
	SCENARIO II:	TIME		-						œ١28.		1823 00

	PAGES	REMARKS	[1] 9) INITIATIVE CVG CCAMAUINICATIONS (FORWARD) AIR SHOW DATA TO SUPER. VISOR)	(II 9) A'RCRAFT IN AIRSHOW ARE OUSTIFWED UPON DEPARTURE	(9.9) AIRSTOW AIRCRAFT JOIN ELTO ONE FLIGHT	(II 9) COMFLICT ALERT IS SUMPPLESSED FOR AIRICRAFT IN AIRSHOW	(II 9) MSAW IS SUPPRESSED FOR AIRCRAFT IN AIRSHGM	(H-10) CCMANUPICATING NOBIMA! IY AIR. TO CROUND (FLIGHT PLAN OM N294NJ)	(11-10)	(II-10) FIIGHT PLAN ON N294RJIS ENTERED ONTO SYSTEM	(11-10)	(II-10) DESIGN A CLEARANCE FOR N2941JJ	(II-10) COMMUNICATING NORMALLY AIR-TO-GROUND (ISSUE CLEARANCE TO N234NJ)	(וו-זס)
	10	DATA INPUT REGUREMENTS				CA SUPPRESSION, FLIGHT ID(S)	MSAW SUPPRESSION, FLIGHT ID			FLICHT PLAN DATA, FLIGHT PLAN FUNCTION				
AFIOS	ACTIVITY: 11 - 9, 11 - 16	SOURCE	\$25,	SITUATION DISPLAY	ALFIT & PLSOLUTION DISPLAY, SITUATION DISPLAY			vscs					VSCS	SITUATION DISPLAY
OPERATIONAL SCENARIOS		DISPLAY CUTPUT REQUIPEMENTS		FULL DATA BLOCK	CA ALERT INDICATOR, FULL DATA BLOCK									FULL DATA BLC.JK, TARGET POSITICN SYMBOL
	TERMINAL DEPARTURE SECTOR ACCC	CONTROLLER	AT433 FORWALD NOTICE OF SPECIAL OF EPATIONS TO ANOTHER CONTROLLER SUPERVISOR	A1143 OBSERVE AUTOMATIC FRACK START	A12 11 DETECTARCRAFT CONFLICTALENTINDICATION	ALE TEON PARTO ARGINE I	A1225SUPPIESS MSAW FUNCTION FOR AN AIRCRAFT	HOM PILOT	A14 42 REVIEW FLIGHT PLAN FOR COMPLETENESS	A1443ENTERFUGHT PLAN	A14 1 16 FORMULATE CONTROLLER PLAN OF ACTION FOR CLEARANCE GENERATION	A1.4 10.4 FORIAULATE A CLEARANCE VITH APPROFRIATE INSTRUCTIONS	A1.4.10.5 ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT	A1.4 10.7 VERIFY AIHORAFT COMPLIANCE WITH CLEARANCE
	<u> </u>	SITUATION						FILED FLIGHT PAIN CLEAHANGE DELIVERY						
	SCENARIO II:	Z Z						182470						

			OPERATIONAL SCENARIOS	VARIOS		
SCENARIO II:	1	TERMINAL DEPARTURE SECTOR ACCC		ACTIVITY: il - 11		PAGE 6
TIME	SITUATION	CONTROLLER TASK	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	HEMARKS
1825 00	AIRGRAFT EMEHGENCY. AIRBORNE	A1 4 2 2 RECEIVE NOTICE OF PILOT OR AFFICRAL THAVING A PROBLEM (E.G. OVETDUE, LOSS OF PAINO CONTACT)	ARCPAFT SPECIAL CONDITION (FULL DATA & OCK), FDEN (FLIGHT DATA ENTRY)	FLIGHT DATA DISPLAY		(ILLI) RECEIVING GAG COMMUNICATIONS (SECTOR 90 AEPORTS AN EMEHGENCY ON MAY234S)
		A1426 INFORM DESIGNATED PERSONNE: OF AIRCRAFT HAVING FLIGHT PROBLENS		<b>V</b> SCS		(II-11) INITA P.KG G-G COMMUNICATIONS (I', FORM OTHERS OF EMERGENCY M12845)
		A1.3.1 8 RECEIVE SUPERVISOR NOTICE TO HOLD PREDUTE TRAFFIC CLEAF OF CONTINGENCY		Vscs		(II-11) RECEIVING GAG COMMUNICATIONS (SUPER: VISOR ASSISTS IN EMERGENCY)
		A1344 REQUEST /JRCRAFT BE REROUTED	FLIGHT DATA ENTRY, FULL DATA BLOOK, DEPARTUHFLIST	FLIGHT DATA DISPLAY. I SITUATION DISPLAY. SPECIAL LISTS, VSCS		II-11) INITATIPS G/G COMMUNICATIONS (RECUEST ESB CLEAR THE AREA)
		AC313 DISCUSS DISCONTINUANCE OF TRAFFIC MANAGEMENT RESTRICTION TRAFFIC RENOUTE WITH SUPERVISOR		vscs		(II-11) INITIATING G/G COMMUNICATIONS (SUPER: VISOR RELEASES DEPARTURES AFTER EMERGENCY IS RESOLVED
1830 00	SCENARIO ENDS					

	PAGE 1	REMARKS										DESIGN A CLEARANCE FOR AIRCRAFT REQUESTING CLEARANCE			
	Ш	DATA (NPU F REQUIREMENTS				FLIGHT ID, ACCEPT HANDOFF FUNCTION									
ARIOS	ACTIVITY: ROUTINE	SOURCE		FULI DATA BLOCK	STUATION DISPLAY	vscs		FULL DATA BLOCK		VSCS			VSCS		
OPERATIONAL SCENARIOS	ACT	DISPLAY OUTPUT REQUIREMENTS		HANDOFF STATUS/ IND:CATOR	FULL DATA BLOCK, GECSBAPHS MAP DATA, TARGET/IRACK DESSFIPTOR			MODE C AL TITUDE							
)	EN ROUTE LOW ALTITUDE ACCC	CONTROLLER TASK		A1.4 6.1 RECEIVE HANDOFF REGUEST	A14.6.6 DETERMINE RESPONSE TO HANDOFF RECUEST	A1.4 6.4 ACCEPT AUTOMATIC HANDOFF	A1.4.13.6 RECEIVE INITIAL RADIO CONTACT FROM PILOT	A1.3.5.1 VALIDATE MODE C ALTITUDE		ALALZ RECEIVE CLEARANCE RECUEST FROM ATCT/FSS/ PLOT/SUPERVISOR	A1.4.1.10 REVIEW POTENTIAL IMPEDIMENT FOR IMPACT ON PROPOSEI) CLEARANCE	A1.4.10.4 FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS	A1.4.10.5 KISUJE CLEARANCE AND INSTRIUCTIONS TO PILOT	_	
		SITUATION	Following sequence is repeated for each entering averalt (one per minute). Entire sequence performed over approximately two minutes.	AIRCRAFT IN TRANSITION STATUS IN I USECTOR					Entries from 19112 to 1912 152 are reparled each minufe, nine litries for departure traffic from ESB and HLA airports						
	SCENARIO III:	TIMĖ Z												 	

			OPERATIONAL SCENARIOS	ARIOS		
SCENARIO (!):	O (II: EN ROUTE LOW AL	W ALTITUDE ACCC	ACTI	ACTIVITY: ROUTINE, III - 1	E, III - 1	PAGE 2
TIME Z	SITUATION	CONTROLLER TASK	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
	Following sequence is performed for each exting arront (1 each minute). Sequence performed over approximately two minutes.					
	ARCRAFT IN TRANSITION STATUS EXITING SECTOR	A1.4.7.2 OBSERVE AUTO- MATIC INITIATION OF HANDOFF	HANDOFF STATUS: INDICATOR	FULL DATA BLOCK		
		A1.4.7.4 RECEIVE HANDOFF ACTEPTANCE	HANDOFF STATUS/ INDICATOR	FULL DATA BLOCK		
		A14.134 DETERMINE FRECUENCY IN USE BY RECEIVING SECTOR	RADIO FREGUENCY(S)	SYSTEM STATUS DATA DISPLAY, VSCS 4/G DISPLAY		
		A14.13.5 ISSUE CHANGE OF FRECUENCY TO PILOT		vscs		
		A1.1.6.11 ENTER FDE NOTATIONS			FREQUENCY CHANGE, ENTER FOE NOTATION MESSAGE	
		A1.4.7.8 DETERMINE THAT AIRCHAFT IS LEAVING SECTOR	TARGET POSITION SYM3OL, SECTOR BOUNDARY	SITUATION DISPLAY		
		ATTES SUIPPRESS DISPLAY OF FUGHT DATA ENTRY AND FIFT DATA BLOCK FROW ALL UISPLAYS IN OWN SECTOR SUITE		SITUATION DISPLAY	SUPPRESS FULL DATA BLOCK MESSAGE, FLGHT ID	
1905 00	IMPENDING AIPSPACE CONFLICT	A1.4.11.12 RECEIVE ALERT OF PREDICTED PROBLEM WITH SPECIFIED FLAN	AIRSPACE CONFLICT NOTICE	FLIGHT PLAN CONFLICT DISPLAY		(II-1) REFERENCE EAL147 AND AWE232
		A1.2.3 & DET-ERMINE VALIDITY OF AIRSPACE CONFLICT NOTICE OR INDICATION				(#-1)
		A12.17 REVIEW POTENTIAL CONFLICT SITUATION FOR RESOLUTION	FULL DATA BLOCK, FLIGHT DATA ENTRY			(11:1)
		A14.11.7 REQUEST QUICK TRIAL PLANHING			OUICK TRIAL PLANNING FUNCTION, FLIGHT ID, MANEUVER TYPE	(til-1)

		)	OPERATIONAL SCENARIOS	NARIOS		
SCENARIO III:	RIO III: EN ROUTE LOW ALT	W ALTITUDE ACCC	AC	ACTIVITY: III - 1, III	- 2, III - 3	PAGE 3
TIME 7	SITUATION	CONTROLLER	DISPLAY OUTPUT	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
		ALATITZ REQUESTAIR- SPACE CONFLICT			REQUEST AIRSPACE CONFLICT DISPLAY MESSAGE, FLIGHT ID	(III-1)
		A1236 DETERMINE APPROPRATE ACTION TO RESOLVE AIFSPACE CONFLICT SITUATION	TRIAL PLAN, SPECIAL USE AIRSPACE	SITUATION DISPLAY		(11-11)
1907.10	ISSUING CLEATANCES	A1.4.10.4 FORMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS				(III-1) GENERATE A CLEARANCE FOR EAL147
		A14.10.5 ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT	RADIO FREQUENCY(S)	VSCS		(III-1) INITIATE AIR-TO-GROUND COMMUNICATIONS (ISSUE A CLEARANCE TO EAL147)
		A1.4.10.4 FORMULATE A CLEABANCE WITH INSTRUCTIONS TO PILOT				(III-1) GENERATE A CLEARANCE FOR AWE232
		A14.10.5 ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT	RADIO FRECUENCY(S)	VSCS		(III-1) INITIATE AIR-TO-GROUND COMMUNICATIONS (ISSUE A CLEARAVCE TO AWE232)
1908 00	RECEIVING POINTOUTS	A1.4.9.1 PECEIVE POINTOUT	FUIL DATA BLOCK	SITUATION DISPLAY		(III.2) OBSERVE POINTOUT INDICATION
		A1.4.9.2 ACCEPT POINTOUT	FULL DATA BLOCK	SITUATION DISPLAY	POINTOUT ACKNOWN FEGE MESSAGE, FLIGHT ID	(III.2) ACCEPT POINTOUT (EAL745)
19:0:00	RESPONDING TO WEATHER INFORMATION	A15.1.12 RECEIVE WEATHER ADVISORY FROM ANOTHER CONTROLLENSUPERVISORY METEOROLOGIST		ASCS		(III 3) RECEIVE G/G COMMUNICATIONS (SECTOR 90 REPORTS SEVERE WEATHER)
		A15.115 RECEIVE NEW ROUTING FOR WEATHER AVOIDANCE FROM SUPERVISOEVTMC		NSCS .		(III-3) BECEIVE COMMUNICATIONS (RECEIVE COMMUNICATIONS (RECEIVE BEVISED ROUTING FOR DEPARTURE FROM ESB OR HLA [1 OF 10])
1911,50	PLANNING CLEARANCES	A1.4.1.2 RECEIVE CLEARANCE REQUEST FFOM ATOTIFSS/ PILOTI SUPE-AVISOR		vscs		IIII-3) RECEIVE CJG COMMUNICATION (RECEIVE CLE ARANCE RECUEST FOR DE PARTURE FROM ESB OR HLA [1 OF 10])

			OPERATIONAL SCENAHIOS	APIOS		
SCENARIO III:	III: EN ROUTE LOW	DW ALTITUDE ACCC	ACTI	ACTIVITY: III - 3, III -	- 4, !!! - 5	PAGE 4
TIME	SITUATION	CONTROLLIER TASK.	DISPLAY CUTPUT REQUISEMENTS	SCUBCE	SATA INPUT PROUIBEMANTS	REMARKS
		ALALIO REVIEW POTENTIAL IMPEDIMENTS FONG HARAGE ON PROPOSED CLEARANCE	FULL DATA ELOCK, TARSE IV TRACK DESCHPPTON, FUCHT DATA ENTRY, GEOGFGAPAC MAP DATA, TRAFFIC MANAGE- MENT ADVISORY LIST	STUATION DISPLAY, F. IGHT DATA DISPLAY SPECIAL LISTS		(5.31)
		AL 6 10 4 FOUNDLATE A CLEAPANCE WITH APPRO- PRIATE INSTRUCTIONS				(II:3) DESICIN A CLEARANCE FOR ESBI-P, A DEPATURES
		ALATO GISSUE CLEARANCE INCCUCH ALOTIFSS FOR RELAY TO PILOT		vacs		(II:3) INI :IATE AIR: TC:GROUND COMMUNICATION (ISSUE CLEAPANCE ON 1 OF 10 DEPARTURES: FROM ESBAHLA)
191400	ADDITIONAL WCRKLOAD	A1 3.8 5 REOLEST SECTOR WORKLOAD PAEPICTIONS	SECTOR WORKLOAD DISPLAY	SECTOR WORKLOAD DISPLAY	TIME PYTERVAL STOTOR WORK LOAP PREDIOTION DISPLAY	(B 4)
		A) 6.8.6 EVALUATE SECTOR WORKLOAD PREDICTIONS				(# 4) EVALUATE EXTRACTED DATA FROM SECTOR WOHALOAD DISPLAY
•••		A 683 REQUEST ASSISTATOE CA RELUEF		vscs		(41-4) INITIATE O OCCUMUNICATIONS PECUEST SECTOR 70 AND 72 DECOMBRED)
		AT 6.1.1. BREF RELIEVING CONTROLLER!		STATIC INFORMATION DISPLAY	POSITION RELIEF CHECKLIST	(8)-4)
		K146,2 SIGNI OFF AT CONSOLE			SIGH OFF MESSAGE, USCR ID	( <del>- III)</del>
1917:00	RECEIVING HANILOFFS	A1.4 S.1 RECEIVE HANDOFF SEQUEST	FULL BATA BLCCK, HANDOFF STATUS INFICATOR	SITUATION DISPLAY		(III-5) HANDOFF CF TEAL32 FROM SECTOR 75
Pain I Tain 271 days		A1.4.6.5 DETERMINE PESPONSE TO !LANDC FF REQUEST				(ii-5)
		ALABA ACCEPT AUTOMATIC HALIDGEF			ACCEPT HANDOFF MESSAGE, FLIGHT ID	(III-S) HANDOFF AUCEPTED ON TEAL 32
manna cronnar na						
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			OPERATIONAL SCENARIOS	ARIOS		
SCENARIO III:		EN ROUTE LOW ALTITUDE ACCC	ACTI	ACTIVITY: III - 6		PAGE 5
TIME Z	SITUATION	CONTROLLER	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPU F REQUIREMENTS	REMARKS
1921.00	EESPORDING 10 CONTINGENCIES	A1 4 21 DECLARE EMERGENCY AND INVOKE CONTINGENCY PLAN		VSCS		(III 6)  RECEIVE AIR TO GROUND  CONKUNICATIONS (PECEIVE NOTICE FROM PILOT OF PSOSLJ OF INFLIGHT  EMERGENCY)
1922.15	EVALUATING SEPAFATION	AS S.1.2 REVIEW SITUATION DISPLY FOR POTENTIAL WOLATION OF AIRCHAFT SEPARATION	FULL DAT BLOCK, TARGET/ TRACK DESCRIPTOR, SPLICIAL USE AIRSPACE	SITUATION DISPLAY		(III-6) E-VAI.UATING POTENTIAL TRAFFIC FOR HSOSLJ
		A111.1 REVIEW FLIGHT DATA DISPLAY FOR PRESENT AND/OH ?UTURE AIRCRAFT SEPARATION	FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY		(III 6) REVEW FLIGHT DATA FOR POTENTIAL LOSS OF SEPARATION REFERENCE NSOSLJ
		ATTITE REVIEW SITUATION KISPLAY FOR POTENTIAL MOLATION OF AIRSPACE SEPARATION STANDARDS	FULL DATA BLOCK, TARGET/ TRACK DESCRIF-10R, SPECIAL USE AIRSPACE	SITUATION DISPLAY		(III-6) EVALUATING POTENTIAL ARSPACE VIOLATION REF NSOSLJ
		A11.1.7 DETERNINE WHETHER AIRCRAFT MAY BE SEPARATE BY LESS THAN PRESCRIBED MINIMA				(III 6) CONSIDER AL! PEVIEWED INFORMATIO!!
		A1 2.1.1 DETECT AIRCRAFT CONFLICT ALERT INDICATION	FULL DATA BLOCK, CONFLICT ALERT INDICATOR, FLIGHT DATA ENTRY	SITUATION DISPLAY		(III-6) CONFLICT ALERT INFORMATION BETWEEN NSOSLJ AND AG225
		A1 2.1.2 DETERMINE VALIDITY OF POTENTIAL AIRCRAFT CON FLICT NOTICE OR INDICATION				(III-6) VALIDATE ALERT WARMING
		A1.2.1.7 REVIEW POTENTIAL CONFLICT STRATION FOR RESOLUTION	FULL DATA BLOCK, FLICHT DATA ENTRY, ALERT AND RESOLUTION CPTION	SITUATION DISPLAY, FLIGHT DATA DISPLAY, ALERT AND RESOLUTION DISPLAY		(III 6) REVIEW ALL AVAILABLE DATA TO MAKE DETERMINATION
		A1.2.1.8 DETERMINE FULL DATA BLOCK, FI APPROPRIATE ACTION TO DATA ENTRY, RADIO RESOLVE CONFLICT SITUATION FREQUENCY(S)	FULL DATA BLOCK, FUGHT DATA ENTRY, RADIO FREQUENCY(S)	SITUATION DISPLAY, FLIGHT DATA DISPLAY		(III-6) CHOOSE COURSE OF ACTION TO RESOLVE CONFLICT SITUATION
1922 50	PLANNING CLEARANCES	A1.4.10.4 FCRMULATE A CLEARANCE WITH APPROPRIATE INSTRUCTIONS				(III-6) DESIGN A CLEARANCE FOR A0232 TO RESOLVE CONFLICT WITH NSOSLJ

	PAGE 6	REMARKS	(III-6) INITIATE AR-TO-GROUND COMMUNICATIONS (ISSUE CLEARANCE TO PILOT OF AG232)	(III-6) INITIATE G/G COMMUNICATIONS (ADVISE SUPERVISOR OF EMERGENCY SITUATION)	(III 6) INTITATE AIR TO-GROUND COMMUNICATIONS (ISSUE CLEARANGE TO NOSULAND REQUEST INTENTIONS)	(III-6) (ENTER FLICHT DATA AMENDMENT ON N505LJ)	(III-5) OBSERVE TEAL32 PROX MITY TO SECTOR BOUNDARY	(III: 5) MANUALLY INITIATE POINTOUT TEAL32 TO SECTOR 75	(III-5) DETECT NONACCEPTANCE OF POINTOUT OF TEAL32 BY SECTOR 75	(III-5) INITIATE GIG COMMUNICATIONS (QUERY SECTOR 75 CONTROLLER REFERENCE PORITOUT FAL32)	(III-5) CHOOSE COURSE OF ACTION TO RESOLVE CONFLICT SITUATION (HANDOFF TEAL32 TO SECTOR 74)	(III-5) HECEINING ACCEPTANCE HAMDOFF FROM SECTOR 74 ON TEAL32	
	9 - 1	DATA INPUT REQUIREMENTS				FLIGHT DATA AMENDMENT MESSAGE, FLICHT ID, FIELD TO BE MODIFIED, NEW DATA		INITIATE PONITOUT MESSAGE. FLIGHT ID, SECTOR NUMBER			HANDOFF FUNCTION, SECTOR NUMBER, FLIGHT ID		
SCENARIOS	ACTIVITY: III - 5, III	SOURCE	vscs	VSCS	VSCS		SITUATION DISPLAY	FULL DATA BLOCK	FULL DATA BLOCK	NSCS	FULL DATA BLOCK	SITUATION DISPLAY	
OPERATIONAL SCEN	ACT	DISPLAY OUTPUT REQUIREMENTS			FULL DATA BLOCK, FLIGHT DATA ENTRY		POSITION SYMBOL, GEO- GRAPHIC MAP DATA	POINTOUT INDICATOR	POINTOUT INDICATOR		HANDOFF STATUSINDICATOR	FULL DATA BLOCK, HANDOFF STATUS INDICATOR	
	EN ROUTE LOW ALTITUDE ACCC	CONTRUCLER TASK	A1 4 10 5 ISS JE CLEARANCE AMD INSTRUCTIONS TO PILOT	A1.42.5 FORWARD CONTINGENCY INFORMATION TO SUPERVEOR/ANOTHER CONTROLLER	A14 105 ISS JE CLEARANGE AND INSTRUCTIONS TO PILCT	A1453 ENTER FLIGHT PLAN AMENDMENT	A1.4 7.8 DETERMINE THAT POSITION SYMBOL, GEO-AIRCRAFTIS LEAVING SECTOR GRAPHIC MAP DATA	A1.4.8.1 MITIATE POINTGUT	A1.4 B.1 DETECT INDICATION OF NO ACTION POINTOUT	A1.4.9.7 DISCUSS POINTOUT WITH AND THER CONTROLLER	A1,4.7.1 INTIATE HANDOFF FURCTION	A1.47.4 RECEIVE HANDOFF ACCEPTANCE	
	1	SITUATION	ISSUING CLEARANCES	COORDINATING CONTINGENCY A1.4.2.5 FORWARD CONTINGENCY INFORMATION TO SUPERVISORIANOTHER CONTROLLER	ISSUING CLEARANCES UPDATING FLIGHT DATA	(SSUING POINTOUTS					INITIATING HANDOFFS		SCENARIO UNIS
	SCENARIO III:	IIME Z	1923 00	1923.10	1923 15	1925 (2)					1927.00		1530.00

			OPERATIONAL SCENARIOS	ARIOS		
SCENARIO V:	310 V: TERMINAL APPIVAL	PIVAL SECTOR ACCC		ACTIVITY: V-1, V-	2	PAGE 1
TIME Z	SITUATION	CONTROLLER	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
210.3:00	MINIMUM SAFE ALTITUDE WASHING	A1.2.2.1 DE TECT MSAW INDICATION OR ALAPM	EMPHASIZE D MSAW INDICATOPETUATION DISPLAY. IN FDB AND FDE, EMPHASIZED FLIGHT DATA DISPLAY. FLID IN A&R DISPLAY DISPLAY DISPLAY	SITUATION DISPLAY, FLIGHT DATA DISPLAY, ALERT & RESOLUTON DISPLAY		(V-1) MSAW ALERT ON N345GJ
		A12.26 DETERMINE VALIDITY OF MSAW NOTICE OR INDICATON	GEOGRAPHIC MAP DATA, FULL SITUATION DISPLAY DATA BLOCK	SITUATIONDISPLAY		(V-1)
		A1.2.4.3 FCRMULATE ADVISORY;3AFETY ALERT CONTENT				(V-1) DESIGN A SAFETY ALERT FOR N345GJ
		A12.412 (SSUE SAFETY ALERT WIT HEGARD TO MINIMUM ALTITUDE		SOSA		(V-1) COMMUNICATING NORMALLY AIR-TO-GROUND, ISSUE SAFETY ALERT TO N345GJ
		A1244 DETECT AIRCRAFT MANEUVER IN RESPONSE TO ADVISORY/ALENT	FULL DATA BLOCK (HSTORY). TARGET POSITION SYMBOL	SITUATON DISPLAY		(V:1)
2106.00	POSITION RELIEF	A1.6.1.1 BF.IEF PELIEVING CONTROLLER	BRIEFING CHECKLIST	ALL DISPLAYS	DISPLAY CONTROL	(V-2) CONTROLLER 1 (RELIEVED CONTROLLER
		A1.52.1 PEVIEW SYSTEM STATUS TO DETERMINE CURRENCY APPATE SELF		ALL DISPLAYS		(V-2) CON FROLLER 2 (RELIEVING CONTROLLER)
		A1.6.2.2 REVIEW CURRENT & PROJECTED TRAFFIC STATUSMEATHER	FLIGHT DATA ENTRY, FULL DATA BLOCK, WEATHER	SITUATION DISPLAY, FLIGHT DATA DISPLAY, WEATHER DISPLAY		(V·2) CONTROLLER 2
		A1.6.2.8 PEVIEW BRIEFING CHECKLIST NOTES TO ASSURE COMPLETENESS OF BRIEFING COVERAGE	BRIEFING CHECKLIST	STATIC INFORMATION DISPLAY		(V-2) CONTROLLER 2
		A1.62.10 DETERMINE IF READY TO ACCEPT CONTROL RESPONSIBILITY				(V:2) CONTROLLER 2
		A1.6.12 SIGN OFF AT CONSOLE			SIGN OFF, USER ID	(V-2) CONTROLLEH 1
		A1.62.4 SIGN ON AT DESIGNATED CONSOLE			SIGN OFF, USER ID	(V.2) CONTROLLER 2

		O	OPERATIONAL SCEN	SCENARIOS		
SCENARIO V:	RIO V: TERMINAL ARRIVAL	RIVAL SECTOR ACCC	ACT	ACTIVITY: V-2, V-	က	PAGE 2
TIME	SITUATION	CONTROLLER	DISPLAY OUTPUT	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
<b>.</b>		A: 6.1.3 VERIFY COMPLETE. NESS PELIFF BRIEFING RECEIPT	BRIEFING CHECKLIST	ALL DISPLAYS		(V.2) CONTROLLER 1
		A16.2 6 CHECK WORKSTATION FOR PROPER CONFIGURATION. USABILITY, AND SATISFACTORY STATUS	ALL DATA	ALL DISPLAYS		(V.2) CONTROLLER 2
		A1629 RECUEST IMPLEMEN- 1ATION OF FROGRAMMED PERSONAL PFEFENCE ADJUSTMENTS	ALL DATA	ALL DISP. AYS	DISPLAY PREFERENCE IDENTIFIER, DISPLAYINVOKE DISPLAY PREFERENNCE SET MESSAGE	(V-2) CONTROLLER 2
2109.00	CONTROLLER OVERLOAD	A1.6 8 1 DETERMINE IMPENDING CONTROLLER OVERLOAD		all displays		(V.2)
		A1683 RECNEST ASSISTANCE OR RELIEF		vscs		(V-2) INITIATING G/G COMMUNICATIONS (CONTROLLER TO SUPERVISOR)
		A1.344 REQUEST AIRCRAFT BE REPOUTED		<b>VSCS</b>		(V.2) COMMUNICATIONS (TRAFFIC MOVED TO ANOTHER ARBIVAL FIX)
2111.00	LAW ENFORCEMENT	A14.12 RECEIVE CLEARANCE REQUEST FROM ATOFISS PLOTISUPERVISOR		vscs		(V.3) COMMUNICATING NORMALLY AIR-TO-GROUND (SKY WATCH), REQUEST CLEARANCE)
		A11.3.1 SEARCH DISPLAY FOR INACTIVE FLIGHT PLAN ON CLEARANCE REQUEST	FLIGHT DATA ENTRY	FLIGHT DATA DISPLAY		(V-3) SKY WATCH I
		A1.4.4 & RECEIVE FLIGHT PLANS FROMIPILOT		vscs		(V-3) COMMUNICATING NORMALLY AIR-TO-GROUND (SKY WATCH I)
		A1.4.4.3 ENTER FLIGHT PLAN			FLIGHT PLAN FUNCTION, CALLSIGN (V-3) BEACON CODE	(V-3) SKY WATCH I
		A1.4.1.16 FORMULATE CONTROLLE:3 PLAN OF ACTION FOR CLEARANCE GENERATION				(V-3)

			OPERATIONAL SICENABIOS	ARIOS		
SCENARIO V:	RIO V: TERMINAL ARRIVAL S	IRIVAL SECTOR ACCC	ACTI	ACTIVITY: V-3, V-	-4, V - 5	PAGE 3
TIME	SITUATION	CONTROLLER	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
		A14 104 FORMULATE A CLEARANCE WITH APPRO- PHIATE INSTRUCTIONS				(V·3) DESIGN A CLEARANCE FOR SKY WATCH I
	······································	A14.10 5 ISSUE CLEARANCE AND INSTRUCTIONS TO PILOT		vscs		(V-3) COMMUNICATING NORMALLY AIR-TO GHOUND (SKY WATCH I)
		A1143 OBSERVE AUTOMATIC THACK STAFT	FULL DATA BLOCK	SITUATION DISPLAY		(V-3) SKY WATCH!!
		A1 433 FOFWAND NOTICE OF SPECIAL OPPRATIONS TO ALOTHER CONTROLLER SUPERVISOR		vscs	×	(V-3) INITATING G/G COMAUNI. CATIONS, SUPERVISOR ADVISED OF SKY WATCH!
2115 00	PADAR SHIN III ANCE SENSOR FAILURE	A1 6 13 3 PERCEIVE TRACKING ON TRANSPONDER FAILURE	COAST TRACK INDICATOR. FULL DATA BLOCK	SITUATION DISPLAY		(V 4)
		A16134 FCFWARD NOTICE OF RADAR SENSOR STATUS TO ANOTHER CONTROLLER SUPERVISOR		vscs		(V.4) INITIATING GG COMMUNI: CATIONS, SECTOR 7S ADVISED OF RADAR STATUS
		A1 691 INFORM PILOTOF RADAR CONTACT LOST		vscs		(V.4) COMMUNICATING NOFMALLY AIR-TO-GROUND (ALL AIRCRAFT
		A1 6.13 2 RECEIVE PROCEDURES TO BE USED TO ACCOMODATE SENSOR OUTAGE		vsc3		(1/4) RECEIVING GAG COMMUNICATIONS (SUPER- VISORY ASSISTANCE)
<u> </u>		A1 6 9 8 RECOUEST PILOT POSITION REPORTS		vscs		(V4) COMMUNICATING NORMALLY AIR-TO-GROUND (ALL AIRCRAFT
21117.00	RADAR SURVEILLANCE SENSOR FAILURE	A1.1.2.1 OBSERVE DISPLAY OF NEW/CHANGED EQUIP. MENT/OPERATIONAL STATUS	EMPHASIZED EQUIPMENT STATUS	SYSTEM STATUS DATA DISPLAY		(V-5) SUPERVISOR CHANGED TO BACK-UP RADAR CHANNEL
		A1 6 13.1 RECEIVE NOTICE OF RADAR SENSOR STATUS		VSCS		(V.5) RECEIVING G/G COMMUNICATIONS (SUPER- VISCAF FORWARDS NOTICE OF RADAR CHANNEL)
		A 6 9 9 OBSERVE RETURN OF NORMAL RAJAR ENVIRONMEN	FULL DATA BLOCKS	SITUATION DISPLAY		(4-5)
		A1693 OBSERVE DATA BLOCK FULL DATA BLOCK, NOW NOT ASSOC ATED WITH TARGE CONFORMARKE INDICATOR	FULL DATA BLOCK, NON- CONFORMATICE INDICATOR	SITUATIONDISPLAY		(7-5)

			OPERATIONAL SCENARIOS	ARIOS		
SCENARIO V:	NO V: TERMINAL ARRIVAL	RRIVAL SECTOR ACCC	ACT	ACTIVITY: V - 5, V -	6, V - 7, V - 8	PAGE 4
TIME	SITUATION	CONTROLLER	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REQUIREMENTS	REMARKS
		A1692 HEASSOCIATE DATA	FUL DATABLOCK	SITUATION DISPLAY	TRACK REPOSITION, FLIGHT ID. NEW COORDINATE POSITION	(V.5)
		A14142 INFORM PILOT THAT HADAR CONTACT IS				(V-5) COMMUNICATING NORMALLY AIR-TO-GROUND (ALL AIRCRAFT)
		A1 697 MITIATE USE OF HADAR SEPARATION STANDARDS		vscs		(V-5)
2:20 00	SPECIAL INTEREST FLIGHT	AL 4.3.1 PEFICEIVE PRESENCE OF SPECIAL OPEPATIONS	CALLSIGN, FULL DATA BLOCK, FLIGHT DATA ENTRY	SITUATION DISPLAY		(V·6) AIR FORCE ONE
		A: 433 FORMARD HOTICE OF SPECIAL OPERATION TO ANOTHER CONTROLLER SUPERVISOR.		VS7.S		(V-6) INITIATINS GAG COMMUNICATIONS (SECTOR 75 HANDS OFF AIR FORCE ONE TO SECTOR 61)
2122 00	AIRCRAFT EMFRGFRCY AIRBORNE	A1 422 RECEIVE NOTICE OF PILOT OR ATROBAET HAVING A PHOBLEM (E.G. OVERDUE, LOSS OF RANO CONTACT)		VSCS		(V-7) COMMUNICATING NORMALLY AIR-TO GROUND (AIR FORCE ONE ADVISES OF FIRE IN #2 ENGINE)
		A 1125 FORWARD CONTINGENCY INFORMATION TO SUPERVISOR/ANOTHER CONTROLLER		vscs		(V-7) INITIATING GAG COMMUNICATIONS (ADVISE SUPERVISOR OF FIRE)
		ALA 211 RECEIVE SUPER. VISOR INDITIZE OF EINERGENCY DY CLARED AND CONTINGENCY PLAN INVOKED		VSCS		(V-7) RECEIVING G/G COMMUNICATIONS (SUPER: VISOR INITIATES EMCRGENCY ACTION)
2330	FMTETURS LEAVING AUREORN LOS D	A 13 18 RECEIVE SUPERVISOR NOTICE TO HOLD PEROUTE TRAFFIC CLI AR OF CONTINGENCY		Vscs		(V-7) HECEIVING G/G COMMUNICATIONS (SUPER. VISOR ASSISTS IN EMERGENCY)
		A1311 EVALUATE TRAFFIC MARAGEMENT CONTRAINTS FOR LFFECT ON TRAFFIC FLOW	FUI L DATA BLOCK, INBIOUND LIST, FLIGHT DATA EN IRY	Situation display. Flight data display Special Lists		(V-8) REPEAT SEQUENCE FOR EACH AIRCRAFT IN SECTOR

			OPERATIONAL SCENARIOS	NARIOS		
SCENARIO V:	NO V: TERMINAL ARRIVAL	RIVAL SECTOR ACCC		ACTIVITY: V-8		PAGE 5
TIME Z	SITUATION	CONTROLLER	DISPLAY OUTPUT REQUIREMENTS	SOURCE	DATA INPUT REGUIREMENTS	REMARKS
		A1314 REVEW OPTIONS TO BRING ARICHAT INTO CONTORALINGE WHIT TRAFFIC MANAGI MENT RESTINGTIONS	HOLDING PATIFFINS. GLOGRAPHIC MAP DATA	SITUATION DISPLAY		(6.4)
-		A 1312 CHOOSE OPTION TO BIBING ARCHAET INTO CONFORMANCE WITH TRAFFIC MANAGEMENT RESTROTIONS				(V-8) ALL ARCRAFT INBOUND TO ESB WILL BE HELD
		A14 104 FORMEN ATE A CLE ADANCI WITH APPROPHY IE INSTRUCTIONS				(V8) DESIGN A HOLD CLEARANCE FOR ALL AIRCRAFT
		A1 4 10 5 ISSUE CITATANCI A4D RASTRACTIONS TO PROT		sos.		(V-8) COMMUNICATING NORMALLY A/R-1-O-GROUND (ISSUE HOLD CLEARANCE TO ALL AIRCRAFT)
2129 00	ENTERNATE AVING ALTBORNE HOLD	ATTENTER FOR NOTATIONS	FIKHE DATA ENTRY	FLIGHT DATA DISPLAY	FDEN, FLIGHT ID	(V-8) ENTER HOLD INTO SYSTEM
		ALTO LETERAINE OF SCHUL HULL DATA BLOCK, APPORT, THE OR POLICIAL	HH LIDATA BLOCK, APPORT, GLOGIAINIC MAP DATA	SETUATION DISPLAY		(V-8)
		A 13 42 PROJECT TRAFFIC SEORENEE TO ESTABLISH WOMEY APPROACH FLOW TO ARBORT OR SECTOR				(kV-9)
		AT 4 TO 4 FORMER ATF A CIT AVANCE WITH APPROPRIETE BESTING HORES				(V-8) DESIGN CLEABANZES TO RELEASE AIRCRAFT FROM HOLD AND CONTINJE ON APPROACH PATH
		ALL RESTRICTIONS TO PRIOR		VSCS		(WB) COMMUNICATING NORMALLY ARTO-GROUND (ISSUE CLEARANCES TO AIRCRAFT)
		ALLIBIT FURNITHEST DE POLITICES	HINSHI DATA ENTRY	SITUATION DISPLAY	FDEN, FLIGHT ID	(V-9) UPDATE THE SYSTEM
		A1 6 9 2 FE ANSOCIALE DATA	IAISE F POSTION	FLIGHT DATA DISPLAY	REASSOCIATE DATA BLOCK MESSAGE, FLICHTID	(V-8) UPDATE TRACKING ON AIRCRAFT WITHOUT DISCRETE BEACCN
2130 00	SCENARIO FIADS					